

WEST**End of Result Set**

Generate Collection

L1: Entry 1 of 1

File: JPAB

Jul 11, 1995

PUB-NO: JP407173342A
DOCUMENT-IDENTIFIER: JP 07173342 A
TITLE: POLYOLEFINIC RESIN COMPOSITION

PUBN-DATE: July 11, 1995

INVENTOR-INFORMATION:

NAME

SAKURAI, KEISUKE

IKEDA, NAOKI

YANA, YOSHITAKA

TAKATSU, RYUICHI

COUNTRY

ASSIGNEE-INFORMATION:

NAME

NEW JAPAN CHEM CO LTD

COUNTRY

APPL-NO: JP05345368

APPL-DATE: December 20, 1993

INT-CL (IPC): C08L 23/10; C08K 5/10; C08K 5/15; C08K 5/20; C08K 5/52; C08K 5/56; C08L 23/02

ABSTRACT:

PURPOSE: To obtain a composition useful for a molded article, having excellent fluidity, processability, modulus in flexure, transparency, etc., by mixing a specific resin component with an ester having a specific structure and a nucleating agent for polyolefin.

CONSTITUTION: This composition is obtained by mixing (A) preferably 100 pts.wt. of one or more resin components selected from a group consisting of a PP-based resin and a polyolefinic thermoplastic elastomer with (B) preferably 0.2-20 pts.wt. of one or more alicyclic dicarboxylic acid esters of the formula (A is cyclohexene ring or cyclohexane ring; R1 to R3 are each H, a 1-5C straight-chain or branched-chain alkyl or alkenyl; R4 and R are each a 6-28C straight-chain or branched-chain alkyl or alkenyl) and (C) preferably 0.01-5 pts.wt. of a nucleating agent [preferably aluminum hydroxybis(tert-butyl benzoate), etc.].

COPYRIGHT: (C)1995, JPO

WEST

End of Result Set

☐ Generate Collection

L2: Entry 1 of 1

File: JPAB

Jan 13, 1995

PUB-NO: JP407011074A

DOCUMENT-IDENTIFIER: JP 07011074 A

TITLE: POLYOLEFINIC RESIN COMPOSITION

PUBN-DATE: January 13, 1995

INVENTOR-INFORMATION:

NAME

COUNTRY

SAKURAI, KEISUKE

TAKATSU, RYUICHI

NOBE, TOMIO

ASSIGNEE-INFORMATION:

NAME

COUNTRY

NEW JAPAN CHEM CO LTD

APPL-NO: JP05180673

APPL-DATE: June 24, 1993

INT-CL (IPC): C08L 23/10; C08K 5/12; C08L 23/16

ABSTRACT:

PURPOSE: To obtain a ~~resin composition excellent in fluidity, processability, cold resistance, etc.~~, and useful as a molding material by blending a polypropylene-based resin and/or a polyolefinic thermoplastic elastomer with a ~~specific alicyclic dicarboxylic acid ester.~~

CONSTITUTION: This resin composition is obtained by blending (A) 100 pts.wt. of a polypropylene-based resin and/or a polyolefinic thermoplastic elastomer with (B) 0.2-60 pts.wt., preferably 0.2-35 pts.wt. of one or two or more alicyclic dicarboxylic acid esters of formula I (R1, R2 and R3 are H, a 1-5C alkyl, 2-5C alkenyl or endomethylene; R4 and R5 are a 6-28C alkyl or alkenyl) or formula II (R6, R7 and R8 are H, a 1-5C alkyl, 2-5C alkenyl or endomethylene; R9 and R10 are a 6-28C alkyl or alkenyl).

COPYRIGHT: (C)1995, JPO

WEST

End of Result Set

☐ Generate Collection

L3: Entry 1 of 1

File: JPAB

Nov 1, 1994

PUB-NO: JP406306252A
DOCUMENT-IDENTIFIER: JP 06306252 A
TITLE: CYCLOPOLYOLEFIN RESIN COMPOSITION

PUBN-DATE: November 1, 1994

INVENTOR-INFORMATION:

NAME

COUNTRY

SAKURAI, KEISUKE

NOBE, TOMIO

ASSIGNEE-INFORMATION:

NAME

COUNTRY

NEW JAPAN CHEM CO LTD

APPL-NO: JP05120570

APPL-DATE: April 23, 1993

INT-CL (IPC): C08L 45/00; C08K 5/10; C08L 23/02; C08L 65/00

ABSTRACT:

PURPOSE: ~~To obtain the composition having excellent low-temperature impact resistance, flexibility, moldability~~ and gasoline resistance and useful for interior and exterior materials for automobile, materials for construction and building, etc., by compounding a cyclopolyolefin resin with a specific ester compound.

CONSTITUTION: The objective composition is produced by compounding (A) a cyclopolyolefin resin with (B) a compound of formula I (R1 is 5-35C alkyl or alkenyl; R2 is 6-28C alkyl or alkenyl), a compound of formula II (R3 is H, 1-10C alkyl or 2-10C alkenyl; R4 is R2), a compound of formula III (R5, R6 and R7 are H, 1-5C alkyl, 2-5C alkenyl or endomethylene; R8 and R9 are R2) or a compound of formula IV (R10, R11 and R12 are R5; R13 and R14 are R2).

COPYRIGHT: (C)1994, JPO

WEST**End of Result Set**☐ **Generate Collection**

L6: Entry 1 of 1

File: DWPI

Jan 13, 1995

DERWENT-ACC-NO: 1995-085556

DERWENT-WEEK: 199512

COPYRIGHT 2001 DERWENT INFORMATION LTD

TITLE: Polyolefin resin compsn. with good impact resistance - comprises polyolefin resin and/or thermoplastic polyolefin elastomer and alicyclic di:carboxylate(s)

PATENT-ASSIGNEE:

ASSIGNEE

NEW JAPAN CHEM CO LTD

CODE

SHIV

PRIORITY-DATA: 1993JP-0180673 (June 24, 1993)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

JP 07011074 A

January 13, 1995

007

C08L023/10

APPLICATION-DATA:

PUB-NO

APPL-DATE

APPL-NO

DESCRIPTOR

JP07011074A

June 24, 1993

1993JP-0180673

INT-CL (IPC): C08K 5/12; C08L 23/10; C08L 23/16

ABSTRACTED-PUB-NO: JP07011074A

BASIC-ABSTRACT:

A polyolefin resin composition (I) comprises (A) a polyolefin resin and/or a thermoplastic polyolefin elastomer and (B) at least one alicyclic dicarboxylate of formula (1) or (2).

R1, R2, R3, R6, R7, R8 are H, 1-5C opt. branched alkyl or 2-5 C opt. branched alkenyl or endo-methylene gp.; R4, R5, R9, R10 are 6-28 C opt. branched alkyl or alkenyl.

Component (A) is, e.g. PN-630(RTM: propylene block copolymer) (A-1). Component (B) is e.g. diisononyl tetrahydrophthalate or diisononyl hexahydro-phthalate(B-1).

ADVANTAGE - (I) has high flowability, impact resistance at low temp. softness, and good mouldability.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: POLYOLEFIN RESIN COMPOSITION IMPACT RESISTANCE COMPRISE POLYOLEFIN RESIN THERMOPLASTIC POLYOLEFIN ELASTOMER ALICYCLIC DI CARBOXYLATE

DERWENT-CLASS: A17 E15

CPI-CODES: A04-G01B; A08-M09B; A09-A05A; E10-G02F2;

CHEMICAL-CODES:

Chemical Indexing M3 *01*

Fragmentation Code

G033 G034 G035 G036 G037 G562 G563 H713 H715 H716
H721 H722 H723 J0 J012 J2 J252 M210 M211 M212
M213 M214 M215 M216 M220 M221 M222 M223 M224 M225
M226 M231 M232 M233 M240 M272 M281 M282 M283 M320
M415 M510 M520 M530 M541 M781 M903 M904 Q130

Markush Compounds

199512-D2201-U

Chemical Indexing M3 *02*

Fragmentation Code

G031 G033 G622 G623 H713 H715 H716 H721 H722 H723
J0 J012 J2 J252 M210 M211 M212 M213 M214 M215
M216 M220 M221 M222 M223 M224 M225 M226 M231 M232
M233 M240 M272 M281 M282 M320 M415 M510 M520 M530
M541 M781 M903 M904 Q130

Markush Compounds

199512-D2202-U

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1] 017 ; G0033*R G0022 D01 D02 D51 D53 ; H0135 H0124 ; H0317 ; H0000 ;
H0011*R ; P1150 Polymer Index [1.2] 017 ; R00964 G0044 G0033 G0022 D01 D02 D12 D10
D51 D53 D58 D83 ; H0044*R H0011 ; P1150 Polymer Index [1.3] 017 ; ND04 ; B9999 B3554*R
; B9999 B4159 B4091 B3838 B3747 ; B9999 B3827 B3747 ; B9999 B3623 B3554 ; B9999
B4171 B4091 B3838 B3747 ; K9665 Polymer Index [1.4] 017 ; D01 D14 D13 D11 D10 D12 D31
D53 D51 D54 D55 D57 D59 D86 D87 D88 D89 D90 D91 D92 D93 D94 D95 F41 D63 ; A999
A748 ; A999 A293

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1995-038973

=> d his

(FILE 'HOME' ENTERED AT 21:41:17 ON 06 DEC 2001)

FILE 'REGISTRY' ENTERED AT 21:41:30 ON 06 DEC 2001

L1 STRUCTURE UPLOADED

L2 0 S L1 SSS

L3 11 S L1 SSS FULL

=> d l3 1-11

L3 ANSWER 1 OF 11 REGISTRY COPYRIGHT 2001 ACS

RN 331673-22-4 REGISTRY

CN 1,2-Cyclohexanedicarboxylic acid, dipentyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

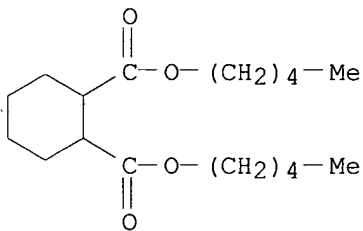
CN Di-n-pentyl 1,2-cyclohexanedicarboxylate

FS 3D CONCORD

MF C18 H32 O4

SR CA

LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 2 OF 11 REGISTRY COPYRIGHT 2001 ACS

RN 331673-20-2 REGISTRY

CN 1,2-Cyclohexanedicarboxylic acid, dihexyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

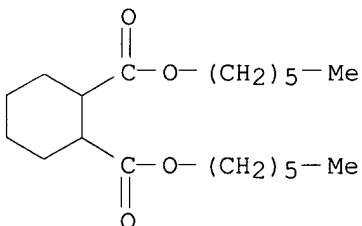
CN Di-n-hexyl 1,2-cyclohexanedicarboxylate

FS 3D CONCORD

MF C20 H36 O4

SR CA

LC STN Files: CA, CAPLUS

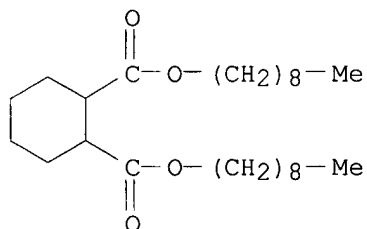


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

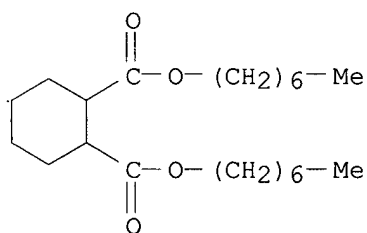
L3 ANSWER 3 OF 11 REGISTRY COPYRIGHT 2001 ACS
RN 331673-15-5 \REGISTRY
CN 1,2-Cyclohexanedicarboxylic acid, dinonyl ester (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Di-n-nonyl 1,2-cyclohexanedicarboxylate
FS 3D CONCORD
MF C26 H48 O4
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 4 OF 11 REGISTRY COPYRIGHT 2001 ACS
RN 318292-40-9 REGISTRY
CN 1,2-Cyclohexanedicarboxylic acid, diheptyl ester (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Di-n-heptyl 1,2-cyclohexanedicarboxylate
FS 3D CONCORD
MF C22 H40 O4
SR CA
LC STN Files: CA, CAPLUS



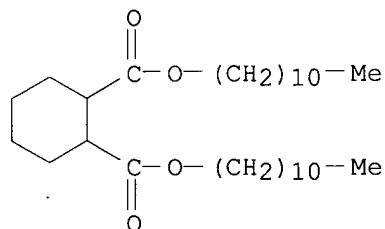
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 5 OF 11 REGISTRY COPYRIGHT 2001 ACS
RN 168022-09-1 REGISTRY
CN 1,2-Cyclohexanedicarboxylic acid, diundecyl ester (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Di-n-undecyl 1,2-cyclohexanedicarboxylate
FS 3D CONCORD
MF C30 H56 O4
SR CA

6-11

LC STN Files: CA, CAPLUS

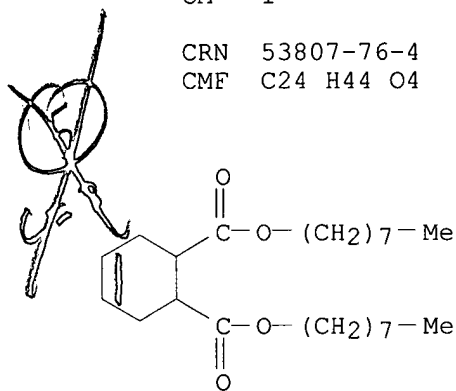


2 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 6 OF 11 REGISTRY COPYRIGHT 2001 ACS
RN 133317-22-3 REGISTRY
CN Cyclohexene-1,2-dicarboxylic acid, dioctyl ester (9CI) (CA INDEX NAME)
MF C24 H42 O4
CI IDS
SR CA
LC STN Files: CA, CAPLUS

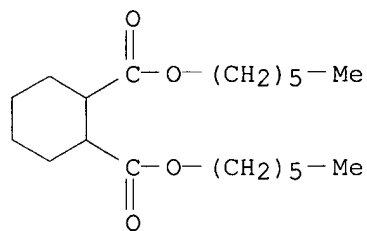
CM 1

CRN 53807-76-4
CMF C24 H44 O4

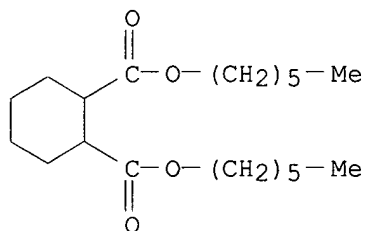


1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 7 OF 11 REGISTRY COPYRIGHT 2001 ACS
RN 81661-98-5 REGISTRY
CN 1,2-Cyclohexanedicarboxylic acid, methyl-, dihexyl ester (9CI) (CA INDEX NAME)
MF C21 H38 O4
CI IDS
LC STN Files: CA, CAPLUS, USPATFULL



D1-Me



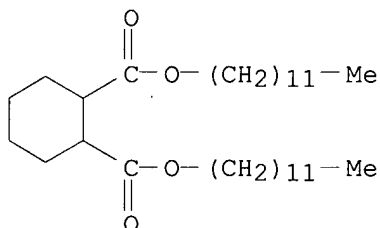
D1-Me

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 8 OF 11 REGISTRY COPYRIGHT 2001 ACS
RN 57159-64-5 REGISTRY
CN 1,2-Cyclohexanedicarboxylic acid, didodecyl ester (6CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Di-n-dodecyl 1,2-cyclohexanedicarboxylate
FS 3D CONCORD
MF C32 H60 O4
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
(*File contains numerically searchable property data)



3 REFERENCES IN FILE CA (1967 TO DATE)
3 REFERENCES IN FILE CAPLUS (1967 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

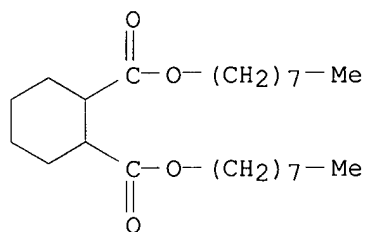
L3 ANSWER 9 OF 11 REGISTRY COPYRIGHT 2001 ACS
RN 53807-77-5 REGISTRY
CN 1,2-Cyclohexanedicarboxylic acid, dioctadienyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Di(octadienyl)hexahydrophthalate
MF C24 H36 O4
CI IDS
LC STN Files: CA, CAPLUS

CM 1

CRN 53807-76-4
CMF C24 H44 O4

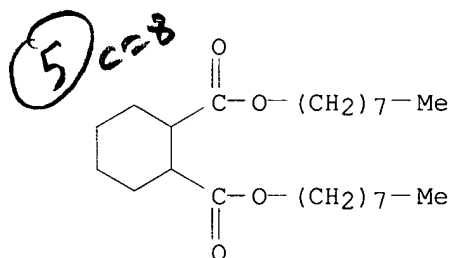


3 REFERENCES IN FILE CA (1967 TO DATE)
3 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 10 OF 11 REGISTRY COPYRIGHT 2001 ACS
RN 53807-76-4 REGISTRY
CN 1,2-Cyclohexanedicarboxylic acid, dioctyl ester (6CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Di-n-octyl 1,2-cyclohexanedicarboxylate
FS 3D CONCORD
MF C24 H44 O4
CI COM
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
(*File contains numerically searchable property data)

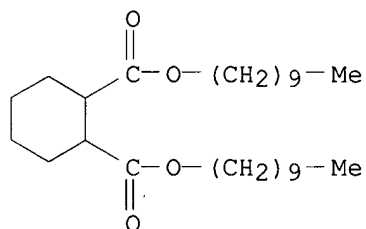


4 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4 REFERENCES IN FILE CAPLUS (1967 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 11 OF 11 REGISTRY COPYRIGHT 2001 ACS
RN 10593-99-4 REGISTRY
CN 1,2-Cyclohexanedicarboxylic acid, didecyl ester (6CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Di-n-decyl 1,2-cyclohexanedicarboxylate
FS 3D CONCORD
MF C28 H52 O4
LC STN Files: CA, CAOLD, CAPLUS



5 REFERENCES IN FILE CA (1967 TO DATE)
5 REFERENCES IN FILE CAPLUS (1967 TO DATE)

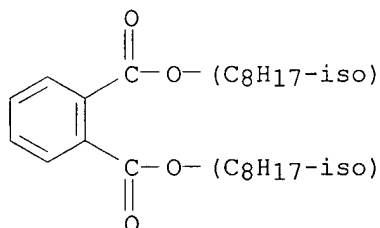
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=>

=> s (diisooctyl phthalate)/cn
L2 1 (DIISOOCTYL PHTHALATE)/CN

=> d l2

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
RN 27554-26-3 REGISTRY
CN 1,2-Benzenedicarboxylic acid, diisooctyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Phthalic acid, diisooctyl ester (6CI, 7CI)
OTHER NAMES:
CN Corflex 880
CN **Diisooctyl phthalate**
CN Hexaplas DIOP
CN Hexaplas M/O
CN Jayflex DIOP
CN Unem 5005
DR 1330-91-2, 25103-50-8, 41375-90-0
MF C24 H38 O4
CI IDS, COM
LC STN Files: ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS,
CHEMCATS, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DETHERM*, DIPPR*,
EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, MSDS-OHS, NIOSHTIC, PDLCOM*,
PROMT, RTECS*, SPECINFO, TOXCENTER, TOXLIT, ULIDAT, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(*Enter CHEMLIST File for up-to-date regulatory information)



325 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
325 REFERENCES IN FILE CAPLUS (1967 TO DATE)
25 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> FIL CAPLUS CAOLD	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	6.23	11.13

FILE 'CAPLUS' ENTERED AT 14:39:11 ON 06 DEC 2001
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2001 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CAOLD' ENTERED AT 14:39:11 ON 06 DEC 2001
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2001 AMERICAN CHEMICAL SOCIETY (ACS)

=>

=> s 12

L3 372 L2

=> s hydrogenation

L4 144200 HYDROGENATION

=> s 14 and 13

L5 1 L4 AND L3

=> d 15 abs ibib

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2001 ACS

AB Dicarboxylate esters of C7-10 alcs., useful as plasticizers for resins, are decolorized continuously by **hydrogenation** at 100-175.degree./5-35.5 bar over supported Pd catalysts. Thus, passing diisodecyl phthalate [26761-40-0] (ASTM D-1209-69 color 32.5) at .apprx.40 mL/h with 150 mL H/min over a 0.5% Pd/Al2O3 catalyst (surface area 300 m2/g) at 150.degree./14.8 bar gives an ester with color 9.0 after 6.5 h and 0 after 14.5 h.

ACCESSION NUMBER: 1982:20796 CAPLUS

DOCUMENT NUMBER: 96:20796

TITLE: Continuous methods for catalytic decoloration of esters

INVENTOR(S): Abramovici, Miron; Stern, Eric W.; Bonacci, John C.

PATENT ASSIGNEE(S): Engelhard Minerals and Chemicals Corp., USA

SOURCE: Fr. Demande, 16 pp.

CODEN: FRXXBL

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
FR 2474487	A1	19810731	FR 1981-883	19810119
AU 8065632	A1	19810730	AU 1980-65632	19801219
GB 2068942	A	19810819	GB 1981-119	19810105
JP 56110650	A2	19810901	JP 1981-6567	19810121
DE 3102160	A1	19811210	DE 1981-3102160	19810123
PRIORITY APPLN. INFO.:			US 1980-114929	19800124

=>

=> d 14.1-16 abs ibib hit

L4 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2001 ACS

AB A mixt. comprises PVC and a cyclohexanepolycarboxylic acid or deriv. thereof. Thus, a mixt. of Vinoflex S 7114 150, hydrogenated Palatinol N 105, and Lankromark LZB 753 2 g was kneaded on a mixing roll at 170.degree. and pressed to form a 0.50-mm film with embrittlement temp. (DIN 53372) -39.degree., torsional stiffness (DIN 53447) -40.degree., and heat resistance (DIN 53381) 105 min.

ACCESSION NUMBER: 2001:225250 CAPLUS

DOCUMENT NUMBER: 134:267062

TITLE: Poly(vinyl chloride) with ring-hydrogenated phthalate plasticizers and articles molded therefrom

PATENT ASSIGNEE(S): BASF A.-G., Germany

SOURCE: Ger. Gebrauchsmusterschrift, 56 pp.

CODEN: GGXXFR

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	DE 20021356	U1	20010329	DE 2000-20021356	20001218
IT	84-71-9, Bis(2-ethylhexyl) 1,2-cyclohexanedicarboxylate			84-75-3D,	
	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear ,				
	hydrogenated 84-76-4D, 1,2-Benzenedicarboxylic acid, dinonyl ester,				
	branched and linear, hydrogenated 84-76-4D, Jayflex L 9P, hydrogenated				
	85-68-7 88-99-3D, Phthalic acid, di-C5-alkyl ester or di-C6-8-branched				
	alkyl ester, hydrogenated 88-99-3D, 1,2-Benzenedicarboxylic acid, mixed				
	decyl and hexyl and octyl and heptyl diesters, hydrogenated 119-06-2D,				
	Jayflex DTDP, hydrogenated 131-18-0D, 1,2-Benzenedicarboxylic acid,				
	dipentyl ester, branched and linear and hydrogenated 605-50-5D,				
	Palatinol DIPP, hydrogenated 1687-30-5D, 1,2-Cyclohexanedicarboxylic				
	acid, di-C7-11-alkyl ester 4336-20-3, Dimethyl 1,2-				
	cyclohexanedicarboxylate 7719-08-6, Monomethyl 1,2-				
	cyclohexanedicarboxylate 10138-59-7, Diethyl 1,2-				
	cyclohexanedicarboxylate 10593-99-4, Di-n-decyl				
	1,2-cyclohexanedicarboxylate 11106-36-8D, Palatinol 911, hydrogenated				
	20211-01-2, Dicyclohexyl 1,2-cyclohexanedicarboxylate 26761-40-0D,				
	Jayflex DIDP, hydrogenated 27253-26-5D, Linplast 13XP, hydrogenated				
	27554-26-3D, Jayflex DIOP, hydrogenated 28553-12-0D, Palatinol N,				
	hydrogenated 51290-37-0, Bis(2-hydroxyethyl) 1,2-				
	cyclohexanedicarboxylate 53807-76-4, Di-n-octyl				
	1,2-cyclohexanedicarboxylate 57155-52-9, Diisooctadecyl				
	1,2-cyclohexanedicarboxylate 57159-64-5, Di-n-dodecyl				
	1,2-cyclohexanedicarboxylate 62950-20-3, Dibutyl 1,2-				
	cyclohexanedicarboxylate 65646-25-5, Dipropyl 1,2-				
	cyclohexanedicarboxylate 70969-58-3, Diisobutyl 1,2-				
	cyclohexanedicarboxylate 84731-64-6, Diisodecyl 1,2-				
	cyclohexanedicarboxylate 85946-30-1, Di-n-octadecyl 1,2-				
	cyclohexanedicarboxylate 96507-86-7D, Jayflex DIUP, hydrogenated				
	116998-09-5 163795-55-9D, Linplast 812HP, hydrogenated 166412-78-8,				
	1,2-Cyclohexanedicarboxylic acid, diisononyl ester 167907-26-8,				
	Di-n-tridecyl 1,2-cyclohexanedicarboxylate 168022-09-1,				
	Di-n-undecyl 1,2-cyclohexanedicarboxylate 192728-83-9, Diisoheptyl				
	1,2-cyclohexanedicarboxylate 197179-60-5D, Palatinol 711, hydrogenated				
	205599-55-9D, Linplast 610P, hydrogenated 205599-64-0D, Witamol 118,				
	hydrogenated 205924-63-6, Diisotridecyl 1,2-cyclohexanedicarboxylate				
	220179-84-0, Di-tert-butyl 1,2-cyclohexanedicarboxylate 227472-92-6,				
	Diisododecyl 1,2-cyclohexanedicarboxylate 228853-14-3, Diisopentyl				
	1,2-cyclohexanedicarboxylate 228853-15-4 228873-52-7D, Palatinol 9P,				
	hydrogenated 228873-60-7D, Linplast 68TM, hydrogenated 256415-72-2,				
	Diisoundecyl 1,2-cyclohexanedicarboxylate 318292-40-9,				

Di-n-heptyl 1,2-cyclohexanedicarboxylate 331673-12-2,
 Mono(2-hydroxyethyl) 1,2-cyclohexanedicarboxylate 331673-13-3,
 Diisooctyl 1,2-cyclohexanedicarboxylate **331673-15-5**, Di-n-nonyl
 1,2-cyclohexanedicarboxylate 331673-16-6, Di-n-eicosyl
 1,2-cyclohexanedicarboxylate 331673-17-7, Monocyclohexyl
 1,2-cyclohexanedicarboxylate 331673-19-9, Diisopropyl
 1,2-cyclohexanedicarboxylate **331673-20-2**, Di-n-hexyl
 1,2-cyclohexanedicarboxylate 331673-21-3, Diisohexyl
 1,2-cyclohexanedicarboxylate **331673-22-4**, Di-n-pentyl
 1,2-cyclohexanedicarboxylate 331673-24-6 331754-26-8, Lankromark LZB
 753 331754-61-1D, Jayflex L 911P, hydrogenated 331754-85-9D, Witamol
 110, hydrogenated 331754-98-4D, Linplast 1012BP, hydrogenated
 331755-17-0D, Linplast 68FP, hydrogenated
 RL: MOA (Modifier or additive use); USES (Uses)
 (poly(vinyl chloride) with ring-hydrogenated phthalate plasticizer)

L4 ANSWER 2 OF 16 CAPLUS COPYRIGHT 2001 ACS

AB A refrigerating oil compn. comprises an alicyclic dicarboxylic ester
 compd. which has an alicyclic ring and two ester groups represented by the
 following general formula (1): -COOR1 (wherein R1 represents C1-18 alkyl)
 and bonded resp. to two carbon atoms adjacent to each other on the
 alicyclic ring and which has been obtained using as alc. ingredients (a) a
 C1-5 aliph. alc. and (b) a C6-18 aliph. alc.

ACCESSION NUMBER: 2001:31605 CAPLUS
 DOCUMENT NUMBER: 134:88621
 TITLE: Refrigerating oil composition
 INVENTOR(S): Shimomura, Yuji; Suda, Satoshi; Hirano, Hiroyuki
 PATENT ASSIGNEE(S): Nippon Mitsubishi Oil Corporation, Japan
 SOURCE: PCT Int. Appl., 39 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001002519	A1	20010111	WO 2000-JP4465	20000705
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: JP 1999-190341 A 19990705

REFERENCE COUNT: 9

REFERENCE(S):
 (1) Anon; JP 03252497 A CAPLUS
 (2) Anon; JP 09221690 A CAPLUS
 (3) Anon; US 5185092 A CAPLUS
 (4) Matsushita Electric Ind Co Ltd; JP 08134481 A 1996 CAPLUS
 (5) New Japan Chemical Co Ltd; JP 09221690 A CAPLUS
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 84-71-9 2915-49-3 37981-16-1 52636-92-7 62950-20-3 81667-22-3
 86710-17-0 95222-14-3 192651-63-1 192651-70-0 252958-28-4
 252958-29-5 318292-30-7 318292-31-8 318292-32-9 318292-33-0
 318292-34-1 318292-35-2 318292-36-3 318292-37-4 318292-38-5
 318292-39-6 **318292-40-9** 318292-41-0 318292-42-1
 318292-43-2 318292-44-3 318292-45-4

RL: MOA (Modifier or additive use); USES (Uses)
 (refrigerating oil compn. contg.)

L4 ANSWER 3 OF 16 CAPLUS COPYRIGHT 2001 ACS

AB The metalworking oil compns. contain (1) 3-80 wt.% of .gtoreq.1 alicyclic polycarboxylic acid esters having the general formula $R_1(COOR_2)(COOR_3)AXY$, where A = cyclohexane or cyclohexene ring, $R_1 = H$ or Me, $X = H$ or $COOR_4$, $Y = H$ or $COOR_5$, and $R_2-5 =$ the same or different C3-18 branched alkyl, C3-10 cycloalkyl, C1-18 straight-chain alkyl or C16-22 straight-chain alkenyl groups, and (2) 0.5-30 wt.% .gtoreq.1 of aliph. polyalkylene glycols having the general formula $R_6O(BO)_nH$, where $R_6 = H$, C1-22 straight-chain alkyl, C16-22 straight-chain alkenyl or C7-18 branched alkyl, B = C2-4 alkylene group, and n = 1-50 integer.

ACCESSION NUMBER: 2000:77162 CAPLUS

DOCUMENT NUMBER: 132:125179

TITLE: Metalworking oil compositions

INVENTOR(S): Fushimi, Ichiro; Teramoto, Yasuhiro; Sanya, Yasuhisa

PATENT ASSIGNEE(S): New Japan Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000034492	A2	20000202	JP 1998-205153	19980721

OTHER SOURCE(S): MARPAT 132:125179

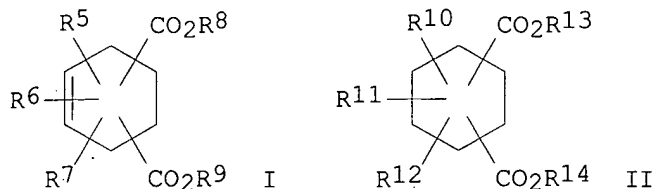
IT 84-71-9, 1,2-Cyclohexanedicarboxylic acid, bis(2-ethylhexyl) ester
2915-49-3, 4-Cyclohexene-1,2-dicarboxylic acid, bis(2-ethylhexyl) ester
7042-40-2, 4-Cyclohexene-1,2-dicarboxylic acid, dioctyl ester
10593-99-4, 1,2-Cyclohexanedicarboxylic acid, didecyl ester
20211-01-2, 1,2-Cyclohexanedicarboxylic acid, dicyclohexyl ester
20211-02-3, 4-Cyclohexene-1,2-dicarboxylic acid, dicyclohexyl ester
22711-58-6, 4-Cyclohexene-1,2-dicarboxylic acid, 4-methyl-,
bis(2-ethylhexyl) ester **53807-76-4**, 1,2-Cyclohexanedicarboxylic
acid, dioctyl ester **57159-64-5**, 1,2-Cyclohexanedicarboxylic
acid, didodecyl ester 57159-65-6, 4-Cyclohexene-1,2-dicarboxylic acid,
didodecyl ester 57998-43-3, 4-Cyclohexene-1,2-dicarboxylic acid,
3-methyl-, dioctyl ester 62174-65-6 62174-71-4, 4-Cyclohexene-1,2-
dicarboxylic acid, 3-methyl-, didecyl ester 63407-84-1,
4-Cyclohexene-1,2-dicarboxylic acid, 3-methyl-, bis(2-ethylhexyl) ester
70969-58-3 81667-22-3, 4-Cyclohexene-1,2-dicarboxylic acid diisobutyl
ester 84731-64-6, 1,2-Cyclohexanedicarboxylic acid, diisodecyl ester
85401-78-1, 4-Cyclohexene-1,2-dicarboxylic acid, dioctadecyl ester
85946-30-1, 1,2-Cyclohexanedicarboxylic acid, dioctadecyl ester
87826-26-4, 4-Cyclohexene-1,2-dicarboxylic acid, diisodecyl ester
93541-57-2 95299-04-0, 1,2-Cyclohexanedicarboxylic acid, dioctadecenyl
ester 95356-19-7, 1,2-Cyclohexanedicarboxylic acid, dihexadecyl ester
95869-74-2 96374-43-5 96377-35-4 103402-38-6 135607-71-5,
1,2-Cyclohexanedicarboxylic acid, ditetradecyl ester 144209-82-5,
4-Cyclohexene-1,2-dicarboxylic acid, 3-methyl-, diisononyl ester
165892-83-1, 4-Cyclohexene-1,2-dicarboxylic acid, 4-methyl-, dicyclohexyl
ester 166412-78-8, 1,2-Cyclohexanedicarboxylic acid, diisononyl ester
168009-26-5, 4-Cyclohexene-1,2-dicarboxylic acid, 4-methyl-, diisononyl
ester 169063-50-7, 1,2-Cyclohexanedicarboxylic acid, 4-methyl-,
diisononyl ester 169790-37-8, 4-Cyclohexene-1,2-dicarboxylic acid,
diisononyl ester 192651-62-0, 1,2-Cyclohexanedicarboxylic acid,
4-methyl-, bis(2-ethylhexyl) ester 192651-63-1, 1,2-
Cyclohexanedicarboxylic acid, bis(3,5,5-trimethylhexyl) ester
192651-69-7, 1,2-Cyclohexanedicarboxylic acid, 3-methyl-,
bis(2-ethylhexyl) ester 192651-70-0, 4-Cyclohexene-1,2-dicarboxylic
acid, bis(3,5,5-trimethylhexyl) ester 192728-83-9, 1,2-
Cyclohexanedicarboxylic acid, diisooheptyl ester 192728-84-0,
4-Cyclohexene-1,2-dicarboxylic acid, diisooheptyl ester 205924-63-6,

AB Title compns. useful as molding materials, contain (A) propylene polymers and/or polyolefin thermoplastic elastomers and (B) .gtoreq.1 alicyclic dicarboxylate ester I and/or II (R1-3, R6-8 = H, C1-5 alkyl, C2-5 alkenyl, endomethylene; R4-5, R9-10 = C6-28 alkyl or alkenyl). Thus, 100 parts PN 630 and 25 parts diisononyl hexahydrophthalate were mixed and pressed to give a sheet having elongation 330%, Clash-Berg flexure temp. -42.degree., and no bleeding.

ACCESSION NUMBER: 1995:475792 CAPLUS
DOCUMENT NUMBER: 123:288255
TITLE: Polyolefin molding compositions with good cold resistance and flexibility
INVENTOR(S): Sakurai, Keisuke; Takatsu, Ryuichi; Nobe, Tomio
PATENT ASSIGNEE(S): Shin Nippon Rika Kk, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 07011074	A2	19950113	JP 1993-180673	19930624
IT	10593-99-4	163883-41-8	163883-42-9	166412-78-8	167907-26-8
	167907-27-9	168009-26-5	169063-50-7	169063-51-8	169790-37-8
	RL: MOA (Modifier or additive use); USES (Uses)				
	(polyolefin molding compns. with good cold resistance and flexibility)				

L4 ANSWER 6 OF 16 CAPLUS COPYRIGHT 2001 ACS
GI



AB Title compns. contain cyclic olefin polymers and R1CO2R2 (R1 = C5-35 linear or branched alkyl, alkenyl; R2 = C6-28 linear or branched alkyl, alkenyl), R3C6H4CO2R4 (R3 = H, C1-10 linear or branched alkyl, C2-10 linear or branched alkenyl; R4 = R2), cyclohexenes I (R5-7= H, C1-5 linear or branched alkyl, C2-5 linear or branched alkenyl, endomethylene; R8, R9 = R2), and/or cyclohexanes II (R10-12 = R5-7; R13, R14= R2). Thus, 100 parts APEL-LTMA (ethylene-cyclic olefin copolymer) was mixed with 25 parts didecyl hexahydrophthalate at 220-230.degree. and pressed at 200.degree. into a .apprx.1-mm sheet, which showed no bleeding and haze 3% after kept at room temp. for 1 wk. The cut test piece therefrom showed breaking extension 270% (25.degree.; JIS K 6723) and Crash-Berg temp. -13.degree. (JIS K 6754).

ACCESSION NUMBER: 1995:383074 CAPLUS
DOCUMENT NUMBER: 124:119007
TITLE: Cold-, impact-, and gasoline-resistant cyclic olefin polymer compositions with good compatibility, fluidity, and plasticizing efficiency
INVENTOR(S): Sakurai, Keisuke; Nobe, Tomio
PATENT ASSIGNEE(S): Shin Nippon Rika Kk, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent

LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06306252	A2	19941101	JP 1993-120570	19930423

OTHER SOURCE(S): MARPAT 124:119007
IT 1330-92-3 3687-45-4, Oleyl oleate **10593-99-4** 31556-45-3,
Tridecyl stearate 47616-64-8 **53807-76-4** 69247-84-3
94278-07-6 163883-40-7 163883-41-8 163883-42-9 163883-43-0
163883-44-1 163883-45-2 166412-78-8
RL: MOA (Modifier or additive use); USES (Uses)
(cold-resistant cyclic olefin polymer compns. with good compatibility
and plasticizing efficiency)

L4 ANSWER 7 OF 16 CAPLUS COPYRIGHT 2001 ACS

AB The compn. comprises 30-96.5 organo polysiloxane (as base oil) having
general formula $(CH_3)_3SiO[Si(R_1)(R_2)O]_nSi(CH_3)_3$, where $R_1, R_2 = Me$ or Ph
(being 1-50 mol% of total org. groups); 2-35 diurea compd. having general
formula $R_3NHONHR_4NHCONHR_5$, where $R_4 = C_6-15$ arom. hydrocarbyl, $R_3, R_5 =$
 C_6-12 arom. hydrocarbyl or C_8-20 straight-chain alkyl; 0.5-10 epoxylated
carboxylic acid ester; and 0.5-10 wt.% zinc dialkyldithiophosphate.

ACCESSION NUMBER: 1994:34335 CAPLUS
DOCUMENT NUMBER: 120:34335
TITLE: Silicon grease compositions
INVENTOR(S): Endo, Toshiaki; Shibayama, Atsushi; Toya, Masanori;
Takahashi, Hideo
PATENT ASSIGNEE(S): Kyodo Yushi, Japan; Toshiba Silicone
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05230486	A2	19930907	JP 1992-31975	19920219

OTHER SOURCE(S): MARPAT 120:34335
IT 91-08-7, 2,6-Tolylenediisocyanate 101-68-8, Diphenylmethane
4,4'-diisocyanate 109-36-4D, Octyl stearate, epoxylated 584-84-9,
2,4-Tolylenediisocyanate 19210-06-1D, Zinc dithiophosphate, dialkyl
derivs. **53807-76-4D**, epoxylated
RL: USES (Uses)
(in lubricating grease prepn.)

L4 ANSWER 8 OF 16 CAPLUS COPYRIGHT 2001 ACS

AB Phthalic anhydride (I) was recovered from its distn. residue by addn. of
phthalic acid esters to prevent increasing viscosity followed by redistn.
Crude I, prepd. by V-catalyzed oxidn. of naphthalene, was heated at
270.degree. for 8 h to remove quinone and then distd. at tower bottom
pressure 120 mmHg and tower bottom temp. 210.degree. to give I of
.gtoreq.95% purity. The bottom residue contg. I 41.7, high-boiling
matters and polymd. matters 7.3, and non-volatile matters 1.0%, after
addn. of o-C₆H₄(CO₂CH₂CH₂EtBu)₂ (II) at 50.0 wt.%, was distd. at tower
bottom pressure 120 mmHg and .ltoreq.300.degree. to recover 95.1% I, vs.
30.9% for a control using BuCH₂CH₂CO₂C(CH₂)₄CO₂CH₂CHMeBu instead of II.

ACCESSION NUMBER: 1991:185251 CAPLUS
DOCUMENT NUMBER: 114:185251
TITLE: Recovery of phthalic anhydride from its distillation
residue
INVENTOR(S): Hokari, Naoki; Aono, Toshinao; Asami, Yukio; Suzuki,
Toshihide

PATENT ASSIGNEE(S): Kawasaki Steel Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 02304078	A2	19901217	JP 1989-125274	19890518
	JP 06062598	B4	19940817		
IT	84-61-7, Dicyclohexyl phthalate		84-66-2, Diethyl phthalate	84-74-2, Dibutyl phthalate	
	85-68-7, Butyl benzyl phthalate		117-81-7, Di-2-ethylhexyl phthalate	117-84-0, Dioctyl phthalate	131-11-3, Dimethyl phthalate
	1330-92-3		2432-90-8, Dilauryl phthalate	3648-20-2, Diundecyl phthalate	3648-21-3, Diheptyl phthalate
	26761-40-0, Diisodecyl phthalate		28553-12-0, Diisononyl phthalate		
	133317-22-3		133398-07-9		
	RL: RCT (Reactant)		(phthalic anhydride recovery in presence of, from its distn. residue)		

L4 ANSWER 9 OF 16 CAPLUS COPYRIGHT 2001 ACS
 AB maleic anhydride (I) [108-31-6] is sepd. from gaseous effluents from the oxidn. of hydrocarbons, e.g. C₄H₁₀, by extn. with esters of cycloaliph. acids. Thus, 100 kg offgas from C₄H₁₀ oxidn., contg. 2.65 kg I and 4.8 kg H₂O, is scrubbed in a 1st column with di-Bu hexahydrophthalate (II) [62950-20-3] at 80.degree., cooled to 60.degree., and scrubbed in a 2nd column with II, giving an offgas contg. 0.06 kg I. The 2nd column is fed with 16.53 kg II contg. 1.1% I, and the effluent from this column, contg. 4.4% I, is heated to 80.degree. and fed to the 1st column. The effluent from this column is distd. to give 2.59 kg essentially pure I and II contg. 1.1% I.

ACCESSION NUMBER: 1982:181798 CAPLUS
 DOCUMENT NUMBER: 96:181798
 TITLE: Continuous separation of maleic anhydride from process gases
 INVENTOR(S): Neri, Amleto; Sanchioni, Sergio
 PATENT ASSIGNEE(S): Ftalital Prodotti Chimici Speciali S.p.A., Italy
 SOURCE: U.S., 5 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	US 4314946	A	19820209	US 1980-130440	19800314
	ZA 8001247	A	19810325	ZA 1980-1247	19800304
	EP 19046	A1	19801126	EP 1980-101244	19800311
	EP 19046	B1	19830727		
	R: AT, BE, CH, DE, FR, GB, LU, NL, SE				
	AT 4314	E	19830815	AT 1980-101244	19800311
	JP 55127383	A2	19801002	JP 1980-35678	19800319
	JP 01025747	B4	19890519		
	DK 8001211	A	19800922	DK 1980-1211	19800320
	DK 159437	B	19901015		
	DK 159437	C	19910318		
	BR 8001667	A	19801118	BR 1980-1667	19800320
	ES 489723	A1	19810216	ES 1980-489723	19800320
	CA 1137096	A1	19821207	CA 1980-348228	19800320
PRIORITY APPLN. INFO.:				IT 1979-48436	19790321
				EP 1980-101244	19800311

IT 62950-20-3 70969-58-3 **81661-98-5** 81667-22-3
RL: USES (Uses)
(maleic anhydride extn. by, from butane oxidn. gases)

L4 ANSWER 10 OF 16 CAPLUS COPYRIGHT 2001 ACS

AB Alkadienyl esters were prepd. by reaction of butadienes, carboxylic acid anhydrides, and H₂O in the presence of Pd or Pt compds. and phosphines and(or) arsines. Thus, 4 moles butadiene were heated with 0.5 mole hexahydrophthalic anhydride, 0.55 mole H₂O, 0.33 millimole Pd(OAc)₂, and 1.32 millimoles Ph₃P in Me₂CO at 110.degree. for 8 hr under N to give mixed dioctadienyl hexahydrophthalates with 98.6% conversion and 96.7% selectivity. Ac₂O, (EtCO)₂O, naphthalic anhydride, and 5-norbornene-2,3-dicarboxylic anhydride were also used as the acid anhydride reactant.

ACCESSION NUMBER: 1976:592241 CAPLUS

DOCUMENT NUMBER: 85:192241

TITLE: Carboxylic acid alkadienyl esters from butadienes and carboxylic acid anhydrides

INVENTOR(S): Munakata, Hiroaki; Tatsuoka, Kengo; Shimizu, Toshio

PATENT ASSIGNEE(S): Mitsubishi Chemical Industries Co., Ltd., Japan

SOURCE: Japan. Kokai, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
	JP 51088907	A2	19760804	JP 1975-13119	19750131
IT	53807-77-5P	54206-45-0P	61275-65-8P	61275-67-0P	
	61275-68-1P				
	RL: SPN (Synthetic preparation); PREP (Preparation)				
	(prepn. of)				

L4 ANSWER 11 OF 16 CAPLUS COPYRIGHT 2001 ACS

GI For diagram(s), see printed CA Issue.

AB Lubricants contg. 20-90 wt.% I or II (R₁, R₂ = C₆-24 linear or branched alkyl or alkenyl) and a surfactant are used to finish fibers. Thus, 70-denier 24-filament nylon 6 fibers were coated (0.6wt.%) with an emulsion contg. 10 wt.% of a compn. contg. [dilauryl hexahydrophthalate [57159-64-5] 65, polyethylene glycol stearate 10, polyethylene glycol laurate 10, polyethylene glycol castor oil ester 10, and K isohexadecyl phosphate 5 parts and stored 24 hr at 20.degree. and 65% relative humidity to give fibers with coeff. of dynamic friction between Ti and fibers (initial tension 20 g; 300 m/min) 1.85, compared with 1.99 for fibers finished with a com. agent. Dilauryl tetrahydrophthalate [57159-65-6] and diisostearyl hexahydrophthalate [57155-52-9] were also used. Poly(ethylene terephthalate) fibers were also finished.

ACCESSION NUMBER: 1975:607513 CAPLUS

DOCUMENT NUMBER: 83:207513

TITLE: Finishing of synthetic fibers

INVENTOR(S): Sugiura, Fumitoshi; Matsueda, Hirokazu

PATENT ASSIGNEE(S): Takemoto Oil and Fat Co., Ltd., Japan

SOURCE: Japan. Kokai, 5 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
	JP 50077699	A2	19750625	JP 1973-129674	19731120

AB Lubricants contg. 20-90 wt.% I or II (R1, R2 = C6-24 linear or branched alkyl or alkenyl) and a surfactant are used to finish fibers. Thus, 70-denier 24-filament nylon 6 fibers were coated (0.6wt.%) with an emulsion contg. 10 wt.% of a compn. contg. dilauryl hexahydrophthalate [57159-64-5] 65, polyethylene glycol stearate 10, polyethylene glycol laurate 10, polyethylene glycol castor oil ester 10, and K isohexadecyl phosphate 5 parts and stored 24 hr at 20.degree. and 65% relative humidity to give fibers with coeff. of dynamic friction between Ti and fibers (initial tension 20 g; 300 m/min) 1.85, compared with 1.99 for fibers finished with a com. agent. Dilauryl tetrahydrophthalate [57159-65-6] and diisostearyl hexahydrophthalate [57155-52-9] were also used. Poly(ethylene terephthalate) fibers were also finished.

IT 57155-52-9 57159-64-5 57159-65-6

RL: USES (Uses)

(finishing agents, for nylon fibers, for reduced friction)

L4 ANSWER 12 OF 16 CAPLUS COPYRIGHT 2001 ACS

AB Epoxidized alkadienyl esters of aliph. or alicyclic polybasic acids were cured to give molded articles having good elec. properties. Thus, di(octadienyl) hexahydrophthalate [53807-77-5] was treated at 170.degree. with AcO2H in the presence of Co octanoate to give a resin having epoxy equiv. 310, viscosity 2500 cP at 50.degree.. The resin (100 parts) was mixed with 6 parts diethylenetriamine and cured 2 hr at 100.degree. to give an article having >180 sec elec. arc resistance (JIS K-6911).

ACCESSION NUMBER: 1975:44291 CAPLUS

DOCUMENT NUMBER: 82:44291

TITLE: Epoxy resin compositions with improved cast moldability

INVENTOR(S): Nishizaki, Shunichiro; Teratani, Hiroshi; Fukushima, Jiro; Yasuda, Kazuo

PATENT ASSIGNEE(S): Mitsubishi Electric Machinery Co., Ltd.

SOURCE: Japan. Kokai, 4 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 49076997	A2	19740724	JP 1972-118777	19721127
JP 51000158	B4	19760106		

AB Epoxidized alkadienyl esters of aliph. or alicyclic polybasic acids were cured to give molded articles having good elec. properties. Thus, di(octadienyl) hexahydrophthalate [53807-77-5] was treated at 170.degree. with AcO2H in the presence of Co octanoate to give a resin having epoxy equiv. 310, viscosity 2500 cP at 50.degree.. The resin (100 parts) was mixed with 6 parts diethylenetriamine and cured 2 hr at 100.degree. to give an article having >180 sec elec. arc resistance (JIS K-6911).

L4 ANSWER 13 OF 16 CAPLUS COPYRIGHT 2001 ACS

AB Epoxidized alkadienyl esters of aliph. or alicyclic polybasic acids were heated in the presence of alkali metal-diketone chelates and cured to give molded articles having good elec. properties. Thus, 100 parts epoxidized ester obtained by treating dioctadienyl hexahydrophthalate [53807-77-5] with AcO2H was heated at 170.degree. with zinc acetylacetonone chelate [14024-63-6] to give a resin having viscosity 19,000 cP at 50.degree., which was cured 2 hr at 100.degree. with 6% diethylenetriamine to give a specimen having >180 sec arc resistance (JIS K6911).

ACCESSION NUMBER: 1975:44290 CAPLUS

DOCUMENT NUMBER: 82:44290

TITLE: Heat-hardenable epoxy resin compositions
 INVENTOR(S): Nishizaki, Shunichiro; Teratani, Hiroshi; Fukushima, Jiro; Yasuda, Kazuo
 PATENT ASSIGNEE(S): Mitsubishi Electric Machinery Co., Ltd.
 SOURCE: Japan. Kokai, 5 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 49077996	A2	19740726	JP 1972-120049	19721130
JP 50023879	B4	19750811		

AB Epoxidized alkadienyl esters of aliph. or alicyclic polybasic acids were heated in the presence of alkali metal-diketone chelates and cured to give molded articles having good elec. properties. Thus, 100 parts epoxidized ester obtained by treating dioctadienyl hexahydrophthalate [**53807-77-5**] with AcO₂H was heated at 170.degree. with zinc acetylacetone chelate [14024-63-6] to give a resin having viscosity 19,000 cP at 50.degree., which was cured 2 hr at 100.degree. with 6% diethylenetriamine to give a specimen having >180 sec arc resistance (JIS K6911).

L4 ANSWER 14 OF 16 CAOLD COPYRIGHT 2001 ACS

ACCESSION NUMBER: CA54:11450d CAOLD

TITLE: properties of aromatic compds.

AUTHOR NAME: Haga, Hiroshi; Nagata, S.

IT	84-66-2	94-50-8	117-84-0	131-11-3	136-60-7	2432-90-8
	2915-72-2	4336-20-3	4654-18-6	4654-26-6	6553-81-7	10138-59-7
	27703-66-8	53807-76-4	57159-64-5	62950-20-3		
	69199-34-4	89611-20-1	94107-45-6	94760-90-4	101433-97-0	101591-97-3
	102180-52-9	102464-47-1	102542-19-8	102702-68-1	102702-71-6	102899-45-6
	102899-46-7	103167-96-0	110746-60-6	112715-88-5		

L4 ANSWER 15 OF 16 CAOLD COPYRIGHT 2001 ACS

ACCESSION NUMBER: CA52:10001b CAOLD

TITLE: esters contg. Ph or cyclohexyl group

AUTHOR NAME: Matsuda, Sumio; Kikkawa, S.

IT	84-66-2	84-71-9	94-50-8	117-81-7	117-84-0	131-11-3
	136-60-7	137-89-3	140-25-0	849-99-0	2915-72-2	4228-00-6
	4336-20-3	4654-18-6	4654-26-6	5444-75-7	6301-70-8	6553-81-7
	10024-57-4	10138-59-7	10593-99-4	16397-74-3	27479-35-2	
	27703-66-8	27703-69-1	27703-71-5	53807-76-4		
	57159-64-5	62950-20-3	69199-34-4	72903-26-5	74411-09-9	
	89611-20-1	94107-45-6	94760-90-4	95746-20-6	96059-66-4	101202-42-0
	101296-46-2	101433-97-0	101873-65-8	101885-12-5	102020-31-5	102020-32-6
	102180-51-8	102180-52-9	102310-40-7	102456-03-1	102456-11-1	102464-47-1
	102542-19-8	102702-68-1	102702-71-6	102898-51-1	102899-45-6	102899-46-7
	103167-97-1	110746-59-3	110746-60-6	110747-32-5	112715-88-5	119250-85-0
	132318-37-7					

L4 ANSWER 16 OF 16 CAOLD COPYRIGHT 2001 ACS

ACCESSION NUMBER: CA52:9995d CAOLD

TITLE: esters contg. cyclic groups

AUTHOR NAME: Matsuda, Sumio; Kikkawa, S.

IT	84-66-2	84-71-9	94-50-8	117-81-7	117-84-0	131-11-3
	136-60-7	137-89-3	140-25-0	849-99-0	2432-90-8	2915-72-2
	4336-20-3	4654-18-6	4654-26-6	5444-75-7	6301-70-8	6553-81-7
	10024-57-4	10138-59-7	10593-99-4	16397-74-3	16409-24-8	
	22995-53-5	27479-35-2	27703-66-8	41544-42-7	41562-47-4	
	53807-76-4	57159-64-5	62638-06-6	62950-20-3		
	69199-34-4	72903-26-5	89611-20-1	94107-45-6	94760-90-4	94885-00-4

95746-20-6 96059-66-4 101433-97-0 101873-65-8 102020-31-5 102020-32-6
102180-51-8 102180-52-9 102456-03-1 102464-47-1 102542-19-8 102702-68-1
102702-71-6 102885-09-6 102898-51-1 102899-45-6 102899-46-7 103167-96-0
103167-97-1 103206-90-2 110746-59-3 110746-60-6 111584-41-9 111584-42-0
112715-88-5 132318-37-7

=> d his

(FILE 'HOME' ENTERED AT 21:41:17 ON 06 DEC 2001)

FILE 'REGISTRY' ENTERED AT 21:41:30 ON 06 DEC 2001

L1 STRUCTURE UPLOADED

L2 0 S L1 SSS

L3 11 S L1 SSS FULL

FILE 'CAPLUS, CAOLD' ENTERED AT 21:59:44 ON 06 DEC 2001

FILE 'REGISTRY' ENTERED AT 22:00:00 ON 06 DEC 2001

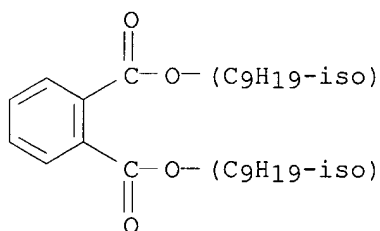
FILE 'CAPLUS, CAOLD' ENTERED AT 22:00:15 ON 06 DEC 2001

L4 16 S L3

=> s (diisononyl phthalate)/cn
L6 1 (DIISONONYL PHTHALATE)/CN

=> d 16

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
RN 28553-12-0 REGISTRY
CN 1,2-Benzenedicarboxylic acid, diisononyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Isononyl alcohol, phthalate (2:1) (8CI)
CN Phthalic acid, diisononyl ester (7CI, 8CI)
OTHER NAMES:
CN Baylectrol 4200
CN **Diisononyl phthalate**
CN DINP
CN ENJ 2065
CN JAY-DINP
CN Jayflex DINP
CN Palatinol DINP
CN Palatinol DN
CN Palatinol N
CN Phthalisocizer DINP
CN Sansocizer DINP
CN Vestinol 9
CN Vestinol NN
CN Vynecizer 90
CN Witamol 150
DR 58033-90-2, 105009-97-0, 41375-91-1
MF C26 H42 O4
CI IDS, COM
LC STN Files: ANABSTR, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DETHERM*, DIPPR*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, TOXCENTER, TOXLIT, ULIDAT, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



519 REFERENCES IN FILE CA (1967 TO DATE)
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
520 REFERENCES IN FILE CAPLUS (1967 TO DATE)
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> FIL CAPLUS CAOLD
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
6.23	23.85

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-0.59

CA SUBSCRIBER PRICE

FILE 'CAPLUS' ENTERED AT 14:43:15 ON 06 DEC 2001
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2001 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CAOLD' ENTERED AT 14:43:15 ON 06 DEC 2001
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2001 AMERICAN CHEMICAL SOCIETY (ACS)

=> s 16

L7 527 L6

=> s 17 and hydrogenation

L8 4 L7 AND HYDROGENATION

=> d 18 1-4 abs ibib

L8 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2001 ACS

AB A benzenepolycarboxylic acid and/or deriv. thereof is hydrogenated with a gas contg. H in the presence of a catalyst comprising a Group VIII metal deposited alone or together with .gtoreq.1 Group IB and/or VIIB metal on a macroporous support. Preferably the metal(s) represent(s) 0.01-30% of the catalyst wt., the principal metal is Ru, and the support has av. pore diam. .gtoreq.50 nm and BET surface .ltoreq.30 m2/g. The hydrogenated products are used as plasticizers in plastics. Thus, a catalyst contg. 0.05% Ru was obtained by impregnating Al2O3 having BET surface 238 m2/g and pore vol. 0.45 mL/g with a 0.8% Ru(NO3)3 soln., drying at 120.degree., and activating in a H atm. at 200.degree.. **Hydrogenation** of 197 g diisooctyl phthalate over 10 g of the catalyst at 80.degree./200 bars for 4 h gave diisooctyl hexahydrophthalate in 99.7% yield at 100% conversion.

ACCESSION NUMBER: 1999:421635 CAPLUS

DOCUMENT NUMBER: 131:74462

TITLE: **Hydrogenation** of benzenepolycarboxylic acids or their derivatives by use of macroporous catalysts
INVENTOR(S): Brunner, Melanie; Bottcher, Arnd; Breitscheidel, Boris; Halbritter, Klaus; Henkelmann, Jochem; Thil, Lucien; Pinkos, Rolf

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 43 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9932427	A1	19990701	WO 1998-EP8346	19981218
W: AU, BR, CA, CN, ID, IN, JP, KR, MX, SG, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
DE 19756913	A1	19990624	DE 1997-19756913	19971219
DE 19832088	A1	20000120	DE 1998-19832088	19980716
AU 9926133	A1	19990712	AU 1999-26133	19981218
BR 9813786	A	20001003	BR 1998-13786	19981218
EP 1042273	A1	20001011	EP 1998-966901	19981218
R: BE, DE, ES, FR, GB, IT				
US 6284917	B1	20010904	US 2000-581843	20000619
PRIORITY APPLN. INFO.:				
				DE 1997-19756913 A 19971219
				DE 1998-19832088 A 19980716
				WO 1998-EP8346 W 19981218

REFERENCE COUNT: 6
REFERENCE(S): (1) Bruce, L; US 5286898 A 1994 CAPLUS
(2) New Japan Chemical Co Ltd; JP 06306252 A 1994 CAPLUS
(3) New Japan Chemical Co Ltd; JP 07011074 A 1995 CAPLUS
(4) New Japan Chemical Co Ltd; WO 9721792 A 1997 CAPLUS
(5) Towa Chemical Industry Co Ltd; EP 0603825 A 1994 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2001 ACS
AB Dialkyl cyclohexanedicarboxylates (e.g., diisooctyl 1,2-cyclohexanedicarboxylate), useful as plasticizers, are prepd. in high yield and selectivity with reduced byproduct formation by the **hydrogenation** of the corresponding dialkyl benzenedicarboxylates (e.g., diisooctyl phthalate) in the presence of a catalyst comprising Ru alone or in addn. to .gtoreq.1 of Group IB, VIIB, or VIII metal(s) on a macroporous support (e.g., alumina) having an av. pore diam. of .gtoreq.50 nm, a BET surface area of .ltoreq.30 m²/g, a catalytically active metal(s) content of 0.01-30%, and a ratio of the surface area of the catalytically active metal(s) to that of the carrier of <0.05. The catalysts have 10-50% of their pore vol. due to macropores having a diam. of 50-10,000 nm and 50-90% of their pore vol. due to mesopores with a diam. of 2-50 nm, the sum total of both types of pore areas being 100%.

ACCESSION NUMBER: 1999:409576 CAPLUS
DOCUMENT NUMBER: 131:45534
TITLE: Method and macroporous catalysts for the **hydrogenation** of dialkyl benzenedicarboxylates into dialkyl cyclohexanedicarboxylate plasticizers
INVENTOR(S): Brunner, Melanie; Boettcher, Arnd; Breitscheidel, Boris; Halbritter, Klaus; Henkelmann, Jochem; Thil, Lucien; Pinkos, Rolf
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: Ger. Offen., 8 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19756913	A1	19990624	DE 1997-19756913	19971219
WO 9932427	A1	19990701	WO 1998-EP8346	19981218
W: AU, BR, CA, CN, ID, IN, JP, KR, MX, SG, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9926133	A1	19990712	AU 1999-26133	19981218
BR 9813786	A	20001003	BR 1998-13786	19981218
EP 1042273	A1	20001011	EP 1998-966901	19981218
R: BE, DE, ES, FR, GB, IT				
US 6284917	B1	20010904	US 2000-581843	20000619
PRIORITY APPLN. INFO.:			DE 1997-19756913 A	19971219
			DE 1998-19832088 A	19980716
			WO 1998-EP8346 W	19981218

L8 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2001 ACS
AB A mixt. of ethers, ether-alcs., and acetals comprising the bottoms product from the **hydrogenation** and distn. of the crude product derived from the catalytic hydroformylation of C6-12 olefins with synthesis gas, or the ether-rich deriv. obtained by catalytic steam cracking of the bottoms product at 260-380.degree., is used as a viscosity regulator

and/or low temp. performance improver for flexible poly(vinyl chloride) compns.

ACCESSION NUMBER: 1987:197322 CAPLUS
DOCUMENT NUMBER: 106:197322
TITLE: Ether-containing mixtures in flexible PVC
INVENTOR(S): Hanin, Jean Alexandere Andre; Verrier, Pierre Eugene
PATENT ASSIGNEE(S): Exxon Research and Engineering Co. , USA
SOURCE: Eur. Pat. Appl., 31 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 184382	A1	19860611	EP 1985-308636	19851127
EP 184382	B1	19890628		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
US 4656215	A	19870407	US 1985-803085	19851127
AT 44286	E	19890715	AT 1985-308636	19851127
BR 8506002	A	19860819	BR 1985-6002	19851129
JP 61209251	A2	19860917	JP 1985-269241	19851129
CA 1273366	A1	19900828	CA 1985-496532	19851129
US 4683343	A	19870728	US 1986-938408	19861205
US 4735743	A	19880405	US 1987-51289	19870519
US 4982011 ✓	A	19910101	US 1989-386952	19890731
PRIORITY APPLN. INFO.:			GB 1984-30224	19841130
			GB 1984-30223	19841130
			EP 1985-308636	19851127
			US 1985-803085	19851127
			US 1985-803093	19851127
			US 1986-938408	19861205
			US 1987-31588	19870330
			US 1988-283749	19881213

L8 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2001 ACS

AB Isononanol (I) [27458-94-2], manufd. by reaction of 2-ethyl-1-hexene (II) with CO and H at 170.deg./120-250 atm gage in the presence of Co hexanoate and **hydrogenation** over Raney Ni, was used for the prepn. of diisononyl phthalate (III) [28553-12-0] and diisononyl adipate [33703-08-1] plasticizers for poly(vinyl chloride) [9002-86-2]. Thus, II, Co hexanoate, and CO were heated at 170.deg./250 atm gage, the mixt. was cooled, hydrogenated with H at 190.deg./300 atm gage over Raney Ni to give I of OH no. 385.9 mg KOH/g I and CO no. 0.5 mg KOH/g I. I (1095 g) and 444 g phthalic anhydride were heated 4 hr at 200.deg. to acid no. 5 mg KOH/g and excess I was distd. to give 1170 g III of acid no. 0.04 mg KOH/g, sapon. degree 265 mg KOH/g, d. 0.973, viscosity (DIN 51,550) 74 cP at 20.deg., and volatility (2 hr at 150.deg.) 0.05%, as compared to 169 cP and 0.11%, resp., for III prepd. from codibutylene (i.e., isomeric octenes). A 75:25 PVC-III (from II) mixt. had tensile strength (DIN 53,455, before aging) 327 kg/cm², elongation at break (DIN 53,455) 256%, cold breaking temp. (DIN 53,372) -15.deg., and volatility (11 days at 90.deg.) -0.97% as compared to 306 kg/cm², 222%, +5.deg., and -2.5%, resp., for PVC plasticized with III prepd. from codibutylene.

ACCESSION NUMBER: 1972:26000 CAPLUS
DOCUMENT NUMBER: 76:26000
TITLE: Isononanol for diisononyl ester plasticizers for PVC
INVENTOR(S): Voss, Harro; Jahn, Juergen; Wulgaris, Savas; Mueller, Herbert; Stuehlen, Ferdinand
PATENT ASSIGNEE(S): Badische Anilin- und Soda-Fabrik A.-G.
SOURCE: Ger. Offen., 8 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent

LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2009505	A	19710909	DE 1970-2009505	19700228
CA 978991	A1	19751202	CA 1971-105649	19710217
FR 2078892	A5	19711105	FR 1971-5919	19710222
BE 763494	A1	19710826	BE 1971-100230	19710226
ES 388691	A1	19730516	ES 1971-388691	19710227
GB 1330112	A	19730912	GB 1971-22673	19710419
PRIORITY APPLN. INFO.:			DE 1970-2009505	19700228

```

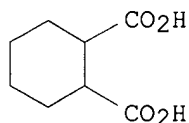
=> s hexahydrophthalic acid
      656 HEXAHYDROPHthalic
      5448252 ACID
      7802 ACIDS
      5453933 ACID
            (ACID OR ACIDS)
L1      113 HEXAHYDROPHthalic ACID
            (HEXAHYDROPHthalic (W)ACID)

=> s (hexahydrophthalic acid)/cn
L2      1 (HEXAHYDROPHthalic ACID)/CN

=> d 12

L2      ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2002 ACS
RN      1687-30-5  REGISTRY
CN      1,2-Cyclohexanedicarboxylic acid (8CI, 9CI)  (CA INDEX NAME)
OTHER NAMES:
CN      1,2-Benzenedicarboxylic acid, hexahydro-
CN      Hexahydrophthalic acid
FS      3D CONCORD
MF      C8 H12 O4
CI      COM
LC      STN Files:  ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS,
                  CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHM, CSNB, IFICDB, IFIPAT, IFIUDb,
                  MEDLINE, MSDS-OHS, NIOSHTIC, TOXCENTER, USPATFULL
                  (*File contains numerically searchable property data)
      Other Sources:  EINECS**, NDSL**, TSCA**
                  (**Enter CHEMLIST File for up-to-date regulatory information)

```



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

```

183 REFERENCES IN FILE CA (1967 TO DATE)
60 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
183 REFERENCES IN FILE CAPLUS (1967 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

```

=> d 110 1-7 abs ibib hit

L10 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2001 ACS

AB A mixt. comprises PVC and a cyclohexanepolycarboxylic acid or deriv. thereof. Thus, a mixt. of Vinoflex S 7114 150, hydrogenated Palatinol N 105, and Lankromark LZB 753 2 g was kneaded on a mixing roll at 170.degree. and pressed to form a 0.50-mm film with embrittlement temp. (DIN 53372) -39.degree., torsional stiffness (DIN 53447) -40.degree., and heat resistance (DIN 53381) 105 min.

ACCESSION NUMBER: 2001:225250 CAPLUS

DOCUMENT NUMBER: 134:267062

TITLE: Poly(vinyl chloride) with ring-hydrogenated phthalate plasticizers and articles molded therefrom

PATENT ASSIGNEE(S): BASF A.-G., Germany

SOURCE: Ger. Gebrauchsmusterschrift, 56 pp.

CODEN: GGXXFR

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
	DE 20021356	U1	20010329	DE 2000-20021356	20001218
IT	84-71-9, Bis(2-ethylhexyl) 1,2-cyclohexanedicarboxylate			84-75-3D,	
	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear ,				
	hydrogenated 84-76-4D, 1,2-Benzenedicarboxylic acid, dinonyl ester,				
	branched and linear, hydrogenated 84-76-4D, Jayflex L 9P, hydrogenated				
	85-68-7 88-99-3D, Phthalic acid, di-C5-alkyl ester or di-C6-8-branched				
	alkyl ester, hydrogenated 88-99-3D, 1,2-Benzenedicarboxylic acid, mixed				
	decyl and hexyl and octyl and heptyl diesters, hydrogenated 119-06-2D,				
	Jayflex DTDP, hydrogenated 131-18-0D, 1,2-Benzenedicarboxylic acid,				
	dipentyl ester, branched and linear and hydrogenated 605-50-5D,				
	Palatinol DIPP, hydrogenated 1687-30-5D, 1,2-Cyclohexanedicarboxylic				
	acid, di-C7-11-alkyl ester 4336-20-3, Dimethyl 1,2-				
	cyclohexanedicarboxylate 7719-08-6, Monomethyl 1,2-				
	cyclohexanedicarboxylate 10138-59-7, Diethyl 1,2-				
	cyclohexanedicarboxylate 10593-99-4, Di-n-decyl				
	1,2-cyclohexanedicarboxylate 11106-36-8D, Palatinol 911, hydrogenated				
	20211-01-2, Dicyclohexyl 1,2-cyclohexanedicarboxylate 26761-40-0D,				
	Jayflex DIDP, hydrogenated 27253-26-5D, Linplast 13XP, hydrogenated				
	27554-26-3D, Jayflex DIOP, hydrogenated 28553-12-0D, Palatinol N,				
	hydrogenated 51290-37-0, Bis(2-hydroxyethyl) 1,2-				
	cyclohexanedicarboxylate 53807-76-4, Di-n-octyl 1,2-				
	cyclohexanedicarboxylate 57155-52-9, Diisooctadecyl 1,2-				
	cyclohexanedicarboxylate 57159-64-5, Di-n-dodecyl 1,2-				
	cyclohexanedicarboxylate 62950-20-3, Dibutyl 1,2-				
	cyclohexanedicarboxylate 65646-25-5, Dipropyl 1,2-				
	cyclohexanedicarboxylate 70969-58-3, Diisobutyl 1,2-				
	cyclohexanedicarboxylate 84731-64-6, Diisodecyl 1,2-				
	cyclohexanedicarboxylate 85946-30-1, Di-n-octadecyl 1,2-				
	cyclohexanedicarboxylate 96507-86-7D, Jayflex DIUP, hydrogenated				
	116998-09-5 163795-55-9D, Linplast 812HP, hydrogenated 166412-78-8,				
	1,2-Cyclohexanedicarboxylic acid, diisononyl ester 167907-26-8,				
	Di-n-tridecyl 1,2-cyclohexanedicarboxylate 168022-09-1, Di-n-undecyl				
	1,2-cyclohexanedicarboxylate 192728-83-9, Diisoheptyl				
	1,2-cyclohexanedicarboxylate 197179-60-5D, Palatinol 711, hydrogenated				
	205599-55-9D, Linplast 610P, hydrogenated 205599-64-0D, Witamol 118,				
	hydrogenated 205924-63-6, Diisotridecyl 1,2-cyclohexanedicarboxylate				
	220179-84-0, Di-tert-butyl 1,2-cyclohexanedicarboxylate 227472-92-6,				
	Diisododecyl 1,2-cyclohexanedicarboxylate 228853-14-3, Diisopentyl				
	1,2-cyclohexanedicarboxylate 228853-15-4 228873-52-7D, Palatinol 9P,				
	hydrogenated 228873-60-7D, Linplast 68TM, hydrogenated 256415-72-2,				

Diisoundecyl 1,2-cyclohexanedicarboxylate 318292-40-9, Di-n-heptyl
 1,2-cyclohexanedicarboxylate 331673-12-2, Mono(2-hydroxyethyl)
 1,2-cyclohexanedicarboxylate 331673-13-3, Diisooctyl
 1,2-cyclohexanedicarboxylate 331673-15-5, Di-n-nonyl
 1,2-cyclohexanedicarboxylate 331673-16-6, Di-n-eicosyl
 1,2-cyclohexanedicarboxylate 331673-17-7, Monocyclohexyl
 1,2-cyclohexanedicarboxylate 331673-19-9, Diisopropyl
 1,2-cyclohexanedicarboxylate 331673-20-2, Di-n-hexyl
 1,2-cyclohexanedicarboxylate 331673-21-3, Diisohexyl
 1,2-cyclohexanedicarboxylate 331673-22-4, Di-n-pentyl
 1,2-cyclohexanedicarboxylate 331673-24-6 331754-26-8, Lankromark L2B
 753 331754-61-1D, Jayflex L 911P, hydrogenated 331754-85-9D, Witamol
 110, hydrogenated 331754-98-4D, Linplast 1012BP, hydrogenated
 331755-17-0D, Linplast 68FP, hydrogenated
 RL: MOA (Modifier or additive use); USES (Uses)
 (poly(vinyl chloride) with ring-hydrogenated phthalate plasticizer)

L10 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2001 ACS

AB The metalworking oil compns. contain (1) 3-80 wt.% of .gtoreq.1 alicyclic polycarboxylic acid esters having the general formula R1(COOR2)(COOR3)AXY, where A = cyclohexane or cyclohexene ring, R1 = H or Me, X = H or COOR4, Y = H or COOR5, and R2-5 = the same or different C3-18 branched alkyl, C3-10 cycloalkyl, C1-18 straight-chain alkyl or C16-22 straight-chain alkenyl groups, and (2) 0.5-30 wt.% .gtoreq.1 of aliph. polyalkylene glycols having the general formula R6O(BO)nH, where R6 = H, C1-22 straight-chain alkyl, C16-22 straight-chain alkenyl or C7-18 branched alkyl, B = C2-4 alkylene group, and n = 1-50 integer.

ACCESSION NUMBER: 2000:77162 CAPLUS
 DOCUMENT NUMBER: 132:125179
 TITLE: Metalworking oil compositions
 INVENTOR(S): Fushimi, Ichiro; Teramoto, Yasuhiro; Sanya, Yasuhisa
 PATENT ASSIGNEE(S): New Japan Chemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000034492	A2	20000202	JP 1998-205153	19980721

OTHER SOURCE(S): MARPAT 132:125179

IT 84-71-9, 1,2-Cyclohexanedicarboxylic acid, bis(2-ethylhexyl) ester
 2915-49-3, 4-Cyclohexene-1,2-dicarboxylic acid, bis(2-ethylhexyl) ester
 7042-40-2, 4-Cyclohexene-1,2-dicarboxylic acid, dioctyl ester
10593-99-4, 1,2-Cyclohexanedicarboxylic acid, didecyl ester
 20211-01-2, 1,2-Cyclohexanedicarboxylic acid, dicyclohexyl ester
 20211-02-3, 4-Cyclohexene-1,2-dicarboxylic acid, dicyclohexyl ester
 22711-58-6, 4-Cyclohexene-1,2-dicarboxylic acid, 4-methyl-,
 bis(2-ethylhexyl) ester 53807-76-4, 1,2-Cyclohexanedicarboxylic acid,
 dioctyl ester 57159-64-5, 1,2-Cyclohexanedicarboxylic acid, didodecyl
 ester 57159-65-6, 4-Cyclohexene-1,2-dicarboxylic acid, didodecyl ester
 57998-43-3, 4-Cyclohexene-1,2-dicarboxylic acid, 3-methyl-, dioctyl ester
 62174-65-6 62174-71-4, 4-Cyclohexene-1,2-dicarboxylic acid, 3-methyl-,
 didecyl ester 63407-84-1, 4-Cyclohexene-1,2-dicarboxylic acid,
 3-methyl-, bis(2-ethylhexyl) ester 70969-58-3 81667-22-3,
 4-Cyclohexene-1,2-dicarboxylic acid diisobutyl ester 84731-64-6,
 1,2-Cyclohexanedicarboxylic acid, diisodecyl ester 85401-78-1,
 4-Cyclohexene-1,2-dicarboxylic acid, dioctadecyl ester 85946-30-1,
 1,2-Cyclohexanedicarboxylic acid, dioctadecyl ester 87826-26-4,
 4-Cyclohexene-1,2-dicarboxylic acid, diisodecyl ester 93541-57-2
 95299-04-0, 1,2-Cyclohexanedicarboxylic acid, dioctadecenyl ester
 95356-19-7, 1,2-Cyclohexanedicarboxylic acid, dihexadecyl ester

95869-74-2 96374-43-5 96377-35-4 103402-38-6 135607-71-5,
 1,2-Cyclohexanedicarboxylic acid, ditetradecyl ester 144209-82-5,
 4-Cyclohexene-1,2-dicarboxylic acid, 3-methyl-, diisononyl ester
 165892-83-1, 4-Cyclohexene-1,2-dicarboxylic acid, 4-methyl-, dicyclohexyl
 ester 166412-78-8, 1,2-Cyclohexanedicarboxylic acid, diisononyl ester
 168009-26-5, 4-Cyclohexene-1,2-dicarboxylic acid, 4-methyl-, diisononyl
 ester 169063-50-7, 1,2-Cyclohexanedicarboxylic acid, 4-methyl-,
 diisononyl ester 169790-37-8, 4-Cyclohexene-1,2-dicarboxylic acid,
 diisononyl ester 192651-62-0, 1,2-Cyclohexanedicarboxylic acid,
 4-methyl-, bis(2-ethylhexyl) ester 192651-63-1, 1,2-
 Cyclohexanedicarboxylic acid, bis(3,5,5-trimethylhexyl) ester
 192651-69-7, 1,2-Cyclohexanedicarboxylic acid, 3-methyl-,
 bis(2-ethylhexyl) ester 192651-70-0, 4-Cyclohexene-1,2-dicarboxylic
 acid, bis(3,5,5-trimethylhexyl) ester 192728-83-9, 1,2-
 Cyclohexanedicarboxylic acid, diisohexyl ester 192728-84-0,
 4-Cyclohexene-1,2-dicarboxylic acid, diisohexyl ester 205924-63-6,
 1,2-Cyclohexanedicarboxylic acid, diisotridecyl ester 256399-64-1
 256399-65-2 256399-66-3 256399-67-4 256399-68-5 256399-69-6
 256399-70-9 256399-71-0 256399-72-1 256399-73-2 256399-74-3
 256399-75-4 256399-76-5 256399-77-6 256399-78-7 256399-79-8
 256399-80-1 256399-81-2 256399-82-3 256399-83-4 256399-84-5
 256399-85-6 256399-86-7 256399-87-8 256399-88-9 256399-89-0
 256399-90-3 256399-91-4 256399-92-5 256415-70-0 256415-71-1
 256415-72-2 256415-73-3 256415-74-4 256415-75-5 256415-76-6
 256415-77-7 256415-78-8 256415-79-9 256415-80-2 256415-81-3
 256415-82-4 256415-83-5 256415-84-6 256415-85-7 256415-86-8
 256415-87-9 256415-88-0 256415-89-1 256415-90-4 256415-91-5
 256415-92-6 256415-93-7 256415-94-8 256415-95-9 256415-96-0
 256415-98-2 256416-00-9 256416-02-1 256416-03-2 256416-04-3
 256416-05-4 256416-06-5 256416-07-6 256416-08-7 256416-09-8
 256416-10-1 256416-11-2 256416-12-3 256416-13-4 256416-14-5
 256416-15-6 256416-16-7 256416-17-8 256416-18-9 256416-19-0
 256416-20-3 256416-21-4

RL: NUU (Nonbiological use, unclassified); TEM (Technical or engineered
 material use); USES (Uses)
 (metalworking oil compns. contg.)

L10 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2001 ACS

AB The title compns. comprise propylene polymers (e.g., PN-150) and/or
 polyolefin elastomers (e.g., Thermorun 5850N), cyclohexene or cyclohexane
 dicarboxylic acid esters (e.g., diisononyl hexahydrophthalate, didecyl
 hexahydrophthalate), and nucleation agents [e.g., Al hydroxybis(tert-
 butylbenzoate), sorbitol derivs., arom. P compds., amides].

ACCESSION NUMBER: 1995:806489 CAPLUS

DOCUMENT NUMBER: 123:258875

TITLE: Polyolefin compositions for moldings with good
 flexural modulus and strength

INVENTOR(S): Sakurai, Keisuke; Ikeda, Naoki; Yana, Yoshitaka;
 Takatsu, Ryuichi

PATENT ASSIGNEE(S): Shin Nippon Rika Kk, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

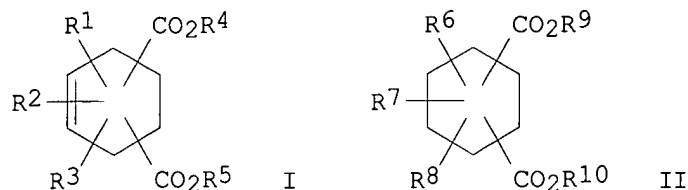
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 07173342	A2	19950711	JP 1993-345368	19931220
IT	10593-99-4	163883-44-1	166412-78-8	167907-26-8	167907-27-9
	168009-26-5	168022-09-1	169063-50-7	169063-51-8	

RL: MOA (Modifier or additive use); USES (Uses)

(polyolefin compns. for moldings with good flexural modulus and

strength)

L10 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2001 ACS
GI



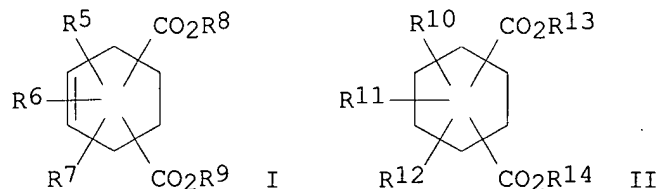
AB Title compns. useful as molding materials, contain (A) propylene polymers and/or polyolefin thermoplastic elastomers and (B) .gtoreq.1 alicyclic dicarboxylate ester I and/or II (R1-3, R6-8 = H, C1-5 alkyl, C2-5 alkenyl, endomethylene; R4-5, R9-10 = C6-28 alkyl or alkenyl). Thus, 100 parts PN 630 and 25 parts diisononyl hexahydrophthalate were mixed and pressed to give a sheet having elongation 330%, Clash-Berg flexure temp. -42.degree., and no bleeding.

ACCESSION NUMBER: 1995:475792 CAPLUS
DOCUMENT NUMBER: 123:288255
TITLE: Polyolefin molding compositions with good cold resistance and flexibility
INVENTOR(S): Sakurai, Keisuke; Takatsu, Ryuichi; Nobe, Tomio
PATENT ASSIGNEE(S): Shin Nippon Rika Kk, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 07011074	A2	19950113	JP 1993-180673	19930624
IT	10593-99-4	163883-41-8	163883-42-9	166412-78-8	167907-26-8
	167907-27-9	168009-26-5	169063-50-7	169063-51-8	169790-37-8

RL: MOA (Modifier or additive use); USES (Uses)
(polyolefin molding compns. with good cold resistance and flexibility)

L10 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2001 ACS
GI



AB Title compns. contain cyclic olefin polymers and R1CO2R2 (R1 = C5-35 linear or branched alkyl, alkenyl; R2 = C6-28 linear or branched alkyl, alkenyl), R3C6H4CO2R4 (R3 = H, C1-10 linear or branched alkyl, C2-10 linear or branched alkenyl; R4 = R2), cyclohexenes I (R5-7= H, C1-5 linear or branched alkyl, C2-5 linear or branched alkenyl, endomethylene; R8, R9 = R2), and/or cyclohexanes II (R10-12 = R5-7; R13, R14= R2). Thus, 100

6310

parts APEL-LTMA (ethylene-cyclic olefin copolymer) was mixed with 25 parts didecyl hexahydrophthalate at 220-230.degree. and pressed at 200.degree. into a .apprx.1-mm sheet, which showed no bleeding and haze 3% after kept at room temp. for 1 wk. The cut test piece therefrom showed breaking extension 270% (25.degree.; JIS K 6723) and Crash-Berg temp. -13.degree. (JIS K 6754).

ACCESSION NUMBER: 1995:383074 CAPLUS
DOCUMENT NUMBER: 124:119007
TITLE: Cold-, impact-, and gasoline-resistant cyclic olefin polymer compositions with good compatibility, fluidity, and plasticizing efficiency
INVENTOR(S): Sakurai, Keisuke; Nobe, Tomio
PATENT ASSIGNEE(S): Shin Nippon Rika Kk, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06306252	A2	19941101	JP 1993-120570	19930423

OTHER SOURCE(S): MARPAT 124:119007
IT 1330-92-3 3687-45-4, Oleyl oleate **10593-99-4** 31556-45-3,
Tridecyl stearate 47616-64-8 53807-76-4 69247-84-3 94278-07-6
163883-40-7 163883-41-8 163883-42-9 163883-43-0 163883-44-1
163883-45-2 166412-78-8
RL: MOA (Modifier or additive use); USES (Uses)
(cold-resistant cyclic olefin polymer compns. with good compatibility and plasticizing efficiency)

L10 ANSWER 6 OF 7 CAOLD COPYRIGHT 2001 ACS

ACCESSION NUMBER: CA52:10001b CAOLD
TITLE: esters contg. Ph or cyclohexyl group
AUTHOR NAME: Matsuda, Sumio; Kikkawa, S.
IT 84-66-2 84-71-9 94-50-8 117-81-7 117-84-0 131-11-3
136-60-7 137-89-3 140-25-0 849-99-0 2915-72-2 4228-00-6
4336-20-3 4654-18-6 4654-26-6 5444-75-7 6301-70-8 6553-81-7
10024-57-4 10138-59-7 **10593-99-4** 16397-74-3 27479-35-2
27703-66-8 27703-69-1 27703-71-5 53807-76-4 57159-64-5 62950-20-3
69199-34-4 72903-26-5 74411-09-9 89611-20-1 94107-45-6 94760-90-4
95746-20-6 96059-66-4 101202-42-0 101296-46-2 101433-97-0 101873-65-8
101885-12-5 102020-31-5 102020-32-6 102180-51-8 102180-52-9 102310-40-7
102456-03-1 102456-11-1 102464-47-1 102542-19-8 102702-68-1 102702-71-6
102898-51-1 102899-45-6 102899-46-7 103167-97-1 110746-59-3 110746-60-6
110747-32-5 112715-88-5 119250-85-0 132318-37-7

L10 ANSWER 7 OF 7 CAOLD COPYRIGHT 2001 ACS

ACCESSION NUMBER: CA52:9995d CAOLD
TITLE: esters contg. cyclic groups
AUTHOR NAME: Matsuda, Sumio; Kikkawa, S.
IT 84-66-2 84-71-9 94-50-8 117-81-7 117-84-0 131-11-3
136-60-7 137-89-3 140-25-0 849-99-0 2432-90-8 2915-72-2
4336-20-3 4654-18-6 4654-26-6 5444-75-7 6301-70-8 6553-81-7
10024-57-4 10138-59-7 **10593-99-4** 16397-74-3 16409-24-8
22995-53-5 27479-35-2 27703-66-8 41544-42-7 41562-47-4 53807-76-4
57159-64-5 62638-06-6 62950-20-3 69199-34-4 72903-26-5 89611-20-1
94107-45-6 94760-90-4 94885-00-4 95746-20-6 96059-66-4 101433-97-0
101873-65-8 102020-31-5 102020-32-6 102180-51-8 102180-52-9 102456-03-1
102464-47-1 102542-19-8 102702-68-1 102702-71-6 102885-09-6 102898-51-1
102899-45-6 102899-46-7 103167-96-0 103167-97-1 103206-90-2 110746-59-3
110746-60-6 111584-41-9 111584-42-0 112715-88-5 132318-37-7

=> d 16 2 ibib abs hit

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2001:31605 CAPLUS

DOCUMENT NUMBER: 134:88621

TITLE: Refrigerating oil composition

INVENTOR(S): Shimomura, Yuji; Suda, Satoshi; Hirano, Hiroyuki

PATENT ASSIGNEE(S): Nippon Mitsubishi Oil Corporation, Japan

SOURCE: PCT Int. Appl., 39 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001002519	A1	20010111	WO 2000-JP4465	20000705
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: JP 1999-190341 A 19990705

AB A refrigerating oil compn. comprises an alicyclic dicarboxylic ester compd. which has an alicyclic ring and two ester groups represented by the following general formula (1): -COOR1 (wherein R1 represents C1-18 alkyl) and bonded resp. to two carbon atoms adjacent to each other on the alicyclic ring and which has been obtained using as alc. ingredients (a) a C1-5 aliph. alc. and (b) a C6-18 aliph. alc.

REFERENCE COUNT: 9

REFERENCE(S): (1) Anon; JP 03252497 A CAPLUS
(2) Anon; JP 09221690 A CAPLUS
(3) Anon; US 5185092 A CAPLUS
(4) Matsushita Electric Ind Co Ltd; JP 08134481 A 1996 CAPLUS
(5) New Japan Chemical Co Ltd; JP 09221690 A CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 84-71-9 2915-49-3 37981-16-1 52636-92-7 62950-20-3 81667-22-3
86710-17-0 95222-14-3 192651-63-1 192651-70-0 252958-28-4
252958-29-5 318292-30-7 318292-31-8 318292-32-9 318292-33-0
318292-34-1 318292-35-2 318292-36-3 318292-37-4 318292-38-5
318292-39-6 318292-40-9 318292-41-0 318292-42-1
318292-43-2 318292-44-3 318292-45-4

RL: MOA (Modifier or additive use); USES (Uses)
(refrigerating oil compn. contg.)

(CH₂)₈CH₃
=> C₉

date not Good

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1995:806489 CAPLUS

DOCUMENT NUMBER: 123:258875

TITLE: Polyolefin compositions for moldings with good flexural modulus and strength

INVENTOR(S): Sakurai, Keisuke; Ikeda, Naoki; Yana, Yoshitaka; Takatsu, Ryuichi

PATENT ASSIGNEE(S): Shin Nippon Rika Kk, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 07173342	A2	19950711	JP 1993-345368	19931220
AB	The title compns. comprise propylene polymers (e.g., PN-150) and/or polyolefin elastomers (e.g., Thermorun 5850N), cyclohexene or cyclohexane dicarboxylic acid esters (e.g., diisononyl hexahydrophthalate, didecyl hexahydrophthalate), and nucleation agents [e.g., Al hydroxybis(tert-butylbenzoate), sorbitol derivs., arom. P compds., amides].				
IT	10593-99-4	163883-44-1	166412-78-8	167907-26-8	167907-27-9
	168009-26-5	168022-09-1	169063-50-7	169063-51-8	
	RL: MOA (Modifier or additive use); USES (Uses) (polyolefin compns. for moldings with good flexural modulus and strength)				

=> call

5 c=8

=> s (53807-76-4)/rn
L9 6 (53807-76-4)/RN

=> d 19 1-6 ibib abs hit

L9 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2001:225250 CAPLUS
DOCUMENT NUMBER: 134:267062
TITLE: Poly(vinyl chloride) with ring-hydrogenated phthalate
plasticizers and articles molded therefrom
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: Ger. Gebrauchsmusterschrift, 56 pp.
CODEN: GGXXFR
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	DE 20021356	U1	20010329	DE 2000-20021356	20001218
AB	A mixt. comprises PVC and a cyclohexanepolycarboxylic acid or deriv. thereof. Thus, a mixt. of Vinoflex S 7114 150, hydrogenated Palatinol N 105, and Lankromark LZB 753 2 g was kneaded on a mixing roll at 170.degree. and pressed to form a 0.50-mm film with embrittlement temp. (DIN 53372) -39.degree., torsional stiffness (DIN 53447) -40.degree., and heat resistance (DIN 53381) 105 min.				
IT	84-71-9, Bis(2-ethylhexyl) 1,2-cyclohexanedicarboxylate 84-75-3D, 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear, hydrogenated 84-76-4D, 1,2-Benzenedicarboxylic acid, dinonyl ester, branched and linear, hydrogenated 84-76-4D, Jayflex L 9P, hydrogenated 85-68-7 88-99-3D, Phthalic acid, di-C5-alkyl ester or di-C6-8-branched alkyl ester, hydrogenated 88-99-3D, 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl and heptyl diesters, hydrogenated 119-06-2D, Jayflex DTD, hydrogenated 131-18-0D, 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear and hydrogenated 605-50-5D, Palatinol DIPP, hydrogenated 1687-30-5D, 1,2-Cyclohexanedicarboxylic acid, di-C7-11-alkyl ester 4336-20-3, Dimethyl 1,2-cyclohexanedicarboxylate 7719-08-6, Monomethyl 1,2-cyclohexanedicarboxylate 10138-59-7, Diethyl 1,2-cyclohexanedicarboxylate 10593-99-4, Di-n-decyl 1,2-cyclohexanedicarboxylate 11106-36-8D, Palatinol 911, hydrogenated 20211-01-2, Dicyclohexyl 1,2-cyclohexanedicarboxylate 26761-40-0D, Jayflex DIDP, hydrogenated 27253-26-5D, Linplast 13XP, hydrogenated 27554-26-3D, Jayflex DIOP, hydrogenated 28553-12-0D, Palatinol N, hydrogenated 51290-37-0, Bis(2-hydroxyethyl) 1,2-cyclohexanedicarboxylate 53807-76-4, Di-n-octyl 1,2-cyclohexanedicarboxylate 57155-52-9, Diisooctadecyl 1,2-cyclohexanedicarboxylate 57159-64-5, Di-n-dodecyl 1,2-cyclohexanedicarboxylate 62950-20-3, Dibutyl 1,2-cyclohexanedicarboxylate 65646-25-5, Dipropyl 1,2-cyclohexanedicarboxylate 70969-58-3, Diisobutyl 1,2-cyclohexanedicarboxylate 84731-64-6, Diisodecyl 1,2-cyclohexanedicarboxylate 85946-30-1, Di-n-octadecyl 1,2-cyclohexanedicarboxylate 96507-86-7D, Jayflex DIUP, hydrogenated 116998-09-5 163795-55-9D, Linplast 812HP, hydrogenated 166412-78-8, 1,2-Cyclohexanedicarboxylic acid, diisononyl ester 167907-26-8, Di-n-tridecyl 1,2-cyclohexanedicarboxylate 168022-09-1, Di-n-undecyl 1,2-cyclohexanedicarboxylate 192728-83-9, Diisoheptyl 1,2-cyclohexanedicarboxylate 197179-60-5D, Palatinol 711, hydrogenated 205599-55-9D, Linplast 610P, hydrogenated 205599-64-0D, Witamol 118, hydrogenated 205924-63-6, Diisotridecyl 1,2-cyclohexanedicarboxylate 220179-84-0, Di-tert-butyl 1,2-cyclohexanedicarboxylate 227472-92-6,				

Diisododecyl 1,2-cyclohexanedicarboxylate 228853-14-3, Diisopentyl
 1,2-cyclohexanedicarboxylate 228853-15-4 228873-52-7D, Palatinol 9P,
 hydrogenated 228873-60-7D, Linplast 68TM, hydrogenated 256415-72-2,
 Diisoundecyl 1,2-cyclohexanedicarboxylate 318292-40-9, Di-n-heptyl
 1,2-cyclohexanedicarboxylate 331673-12-2, Mono(2-hydroxyethyl)
 1,2-cyclohexanedicarboxylate 331673-13-3, Diisooctyl
 1,2-cyclohexanedicarboxylate 331673-15-5, Di-n-nonyl
 1,2-cyclohexanedicarboxylate 331673-16-6, Di-n-eicosyl
 1,2-cyclohexanedicarboxylate 331673-17-7, Monocyclohexyl
 1,2-cyclohexanedicarboxylate 331673-19-9, Diisopropyl
 1,2-cyclohexanedicarboxylate 331673-20-2, Di-n-hexyl
 1,2-cyclohexanedicarboxylate 331673-21-3, Diisohexyl
 1,2-cyclohexanedicarboxylate 331673-22-4, Di-n-pentyl
 1,2-cyclohexanedicarboxylate 331673-24-6 331754-26-8, Lankromark LZB
 753 331754-61-1D, Jayflex L 911P, hydrogenated 331754-85-9D, Witamol
 110, hydrogenated 331754-98-4D, Linplast 1012BP, hydrogenated
 331755-17-0D, Linplast 68FP, hydrogenated
 RL: MOA (Modifier or additive use); USES (Uses)
 (poly(vinyl chloride) with ring-hydrogenated phthalate plasticizer)

L9 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2000:77162 CAPLUS
 DOCUMENT NUMBER: 132:125179
 TITLE: Metalworking oil compositions
 INVENTOR(S): Fushimi, Ichiro; Teramoto, Yasuhiro; Sanya, Yasuhisa
 PATENT ASSIGNEE(S): New Japan Chemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000034492	A2	20000202	JP 1998-205153	19980721

OTHER SOURCE(S): MARPAT 132:125179

AB The metalworking oil compns. contain (1) 3-80 wt.% of .gtoreq.1 alicyclic polycarboxylic acid esters having the general formula R1(COOR2)(COOR3)AXY, where A = cyclohexane or cyclohexene ring, R1 = H or Me, X = H or COOR4, Y = H or COOR5, and R2-5 = the same or different C3-18 branched alkyl, C3-10 cycloalkyl, C1-18 straight-chain alkyl or C16-22 straight-chain alkenyl groups, and (2) 0.5-30 wt.% .gtoreq.1 of aliph. polyalkylene glycols having the general formula R6O(BO)nH, where R6 = H, C1-22 straight-chain alkyl, C16-22 straight-chain alkenyl or C7-18 branched alkyl, B = C2-4 alkylene group, and n = 1-50 integer.

IT 84-71-9, 1,2-Cyclohexanedicarboxylic acid, bis(2-ethylhexyl) ester
 2915-49-3, 4-Cyclohexene-1,2-dicarboxylic acid, bis(2-ethylhexyl) ester
 7042-40-2, 4-Cyclohexene-1,2-dicarboxylic acid, dioctyl ester
 10593-99-4, 1,2-Cyclohexanedicarboxylic acid, didecyl ester 20211-01-2,
 1,2-Cyclohexanedicarboxylic acid, dicyclohexyl ester 20211-02-3,
 4-Cyclohexene-1,2-dicarboxylic acid, dicyclohexyl ester 22711-58-6,
 4-Cyclohexene-1,2-dicarboxylic acid, 4-methyl-, bis(2-ethylhexyl) ester
53807-76-4, 1,2-Cyclohexanedicarboxylic acid, dioctyl ester
 57159-64-5, 1,2-Cyclohexanedicarboxylic acid, didodecyl ester
 57159-65-6, 4-Cyclohexene-1,2-dicarboxylic acid, didodecyl ester
 57998-43-3, 4-Cyclohexene-1,2-dicarboxylic acid, 3-methyl-, dioctyl ester
 62174-65-6 62174-71-4, 4-Cyclohexene-1,2-dicarboxylic acid, 3-methyl-,
 didecyl ester 63407-84-1, 4-Cyclohexene-1,2-dicarboxylic acid,
 3-methyl-, bis(2-ethylhexyl) ester 70969-58-3 81667-22-3,
 4-Cyclohexene-1,2-dicarboxylic acid diisobutyl ester 84731-64-6,
 1,2-Cyclohexanedicarboxylic acid, diisodecyl ester 85401-78-1,
 4-Cyclohexene-1,2-dicarboxylic acid, dioctadecyl ester 85946-30-1,
 1,2-Cyclohexanedicarboxylic acid, dioctadecyl ester 87826-26-4,

4-Cyclohexene-1,2-dicarboxylic acid, diisodecyl ester 93541-57-2
 95299-04-0, 1,2-Cyclohexanedicarboxylic acid, dioctadecenyl ester
 95356-19-7, 1,2-Cyclohexanedicarboxylic acid, dihexadecyl ester
 95869-74-2 96374-43-5 96377-35-4 103402-38-6 135607-71-5,
 1,2-Cyclohexanedicarboxylic acid, ditetradecyl ester 144209-82-5,
 4-Cyclohexene-1,2-dicarboxylic acid, 3-methyl-, diisononyl ester
 165892-83-1, 4-Cyclohexene-1,2-dicarboxylic acid, 4-methyl-, dicyclohexyl
 ester 166412-78-8, 1,2-Cyclohexanedicarboxylic acid, diisononyl ester
 168009-26-5, 4-Cyclohexene-1,2-dicarboxylic acid, 4-methyl-, diisononyl
 ester 169063-50-7, 1,2-Cyclohexanedicarboxylic acid, 4-methyl-,
 diisononyl ester 169790-37-8, 4-Cyclohexene-1,2-dicarboxylic acid,
 diisononyl ester 192651-62-0, 1,2-Cyclohexanedicarboxylic acid,
 4-methyl-, bis(2-ethylhexyl) ester 192651-63-1, 1,2-
 Cyclohexanedicarboxylic acid, bis(3,5,5-trimethylhexyl) ester
 192651-69-7, 1,2-Cyclohexanedicarboxylic acid, 3-methyl-,
 bis(2-ethylhexyl) ester 192651-70-0, 4-Cyclohexene-1,2-dicarboxylic
 acid, bis(3,5,5-trimethylhexyl) ester 192728-83-9, 1,2-
 Cyclohexanedicarboxylic acid, diisoheptyl ester 192728-84-0,
 4-Cyclohexene-1,2-dicarboxylic acid, diisoheptyl ester 205924-63-6,
 1,2-Cyclohexanedicarboxylic acid, diisotridecyl ester 256399-64-1
 256399-65-2 256399-66-3 256399-67-4 256399-68-5 256399-69-6
 256399-70-9 256399-71-0 256399-72-1 256399-73-2 256399-74-3
 256399-75-4 256399-76-5 256399-77-6 256399-78-7 256399-79-8
 256399-80-1 256399-81-2 256399-82-3 256399-83-4 256399-84-5
 256399-85-6 256399-86-7 256399-87-8 256399-88-9 256399-89-0
 256399-90-3 256399-91-4 256399-92-5 256415-70-0 256415-71-1
 256415-72-2 256415-73-3 256415-74-4 256415-75-5 256415-76-6
 256415-77-7 256415-78-8 256415-79-9 256415-80-2 256415-81-3
 256415-82-4 256415-83-5 256415-84-6 256415-85-7 256415-86-8
 256415-87-9 256415-88-0 256415-89-1 256415-90-4 256415-91-5
 256415-92-6 256415-93-7 256415-94-8 256415-95-9 256415-96-0
 256415-98-2 256416-00-9 256416-02-1 256416-03-2 256416-04-3
 256416-05-4 256416-06-5 256416-07-6 256416-08-7 256416-09-8
 256416-10-1 256416-11-2 256416-12-3 256416-13-4 256416-14-5
 256416-15-6 256416-16-7 256416-17-8 256416-18-9 256416-19-0
 256416-20-3 256416-21-4

RL: NUU (Nonbiological use, unclassified); TEM (Technical or engineered
 material use); USES (Uses)

(metalworking oil compns. contg.)

L9 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1995:383074 CAPLUS

DOCUMENT NUMBER: 124:119007

TITLE: Cold-, impact-, and gasoline-resistant cyclic olefin
 polymer compositions with good compatibility,
 fluidity, and plasticizing efficiency

INVENTOR(S): Sakurai, Keisuke; Nobe, Tomio

PATENT ASSIGNEE(S): Shin Nippon Rika Kk, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

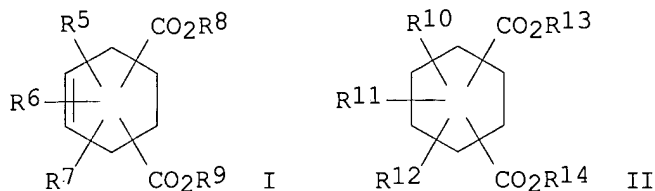
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06306252	A2	19941101	JP 1993-120570	19930423

OTHER SOURCE(S): MARPAT 124:119007

GI



AB Title compns. contain cyclic olefin polymers and R1CO2R2 (R1 = C5-35 linear or branched alkyl, alkenyl; R2 = C6-28 linear or branched alkyl, alkenyl), R3C6H4CO2R4 (R3 = H, C1-10 linear or branched alkyl, C2-10 linear or branched alkenyl; R4 = R2), cyclohexenes I (R5-7= H, C1-5 linear or branched alkyl, C2-5 linear or branched alkenyl, endomethylene; R8, R9 = R2), and/or cyclohexanes II (R10-12 = R5-7; R13, R14= R2). Thus, 100 parts APEL-LTMA (ethylene-cyclic olefin copolymer) was mixed with 25 parts didecyl hexahydrophthalate at 220-230.degree. and pressed at 200.degree. into a .apprx.1-mm sheet, which showed no bleeding and haze 3% after kept at room temp. for 1 wk. The cut test piece therefrom showed breaking extension 270% (25.degree.; JIS K 6723) and Crash-Berg temp. -13.degree. (JIS K 6754).

IT 1330-92-3 3687-45-4, Oleyl oleate 10593-99-4 31556-45-3, Tridecyl stearate 47616-64-8 **53807-76-4** 69247-84-3 94278-07-6
163883-40-7 163883-41-8 163883-42-9 163883-43-0 163883-44-1
163883-45-2 166412-78-8

RL: MOA (Modifier or additive use); USES (Uses)
(cold-resistant cyclic olefin polymer compns. with good compatibility and plasticizing efficiency)

L9 ANSWER 4 OF 6 CAOLD COPYRIGHT 2001 ACS

ACCESSION NUMBER: CA54:11450d CAOLD

TITLE: properties of aromatic compds.

AUTHOR NAME: Haga, Hiroshi; Nagata, S.

IT 84-66-2 94-50-8 117-84-0 131-11-3 136-60-7 2432-90-8
2915-72-2 4336-20-3 4654-18-6 4654-26-6 6553-81-7 10138-59-7
27703-66-8 **53807-76-4** 57159-64-5 62950-20-3 69199-34-4
89611-20-1 94107-45-6 94760-90-4 101433-97-0 101591-97-3 102180-52-9
102464-47-1 102542-19-8 102702-68-1 102702-71-6 102899-45-6 102899-46-7
103167-96-0 110746-60-6 112715-88-5

L9 ANSWER 5 OF 6 CAOLD COPYRIGHT 2001 ACS

ACCESSION NUMBER: CA52:10001b CAOLD

TITLE: esters contg. Ph or cyclohexyl group

AUTHOR NAME: Matsuda, Sumio; Kikkawa, S.

IT 84-66-2 84-71-9 94-50-8 117-81-7 117-84-0 131-11-3
136-60-7 137-89-3 140-25-0 849-99-0 2915-72-2 4228-00-6
4336-20-3 4654-18-6 4654-26-6 5444-75-7 6301-70-8 6553-81-7
10024-57-4 10138-59-7 10593-99-4 16397-74-3 27479-35-2 27703-66-8
27703-69-1 27703-71-5 **53807-76-4** 57159-64-5 62950-20-3
69199-34-4 72903-26-5 74411-09-9 89611-20-1 94107-45-6 94760-90-4
95746-20-6 96059-66-4 101202-42-0 101296-46-2 101433-97-0 101873-65-8
101885-12-5 102020-31-5 102020-32-6 102180-51-8 102180-52-9 102310-40-7
102456-03-1 102456-11-1 102464-47-1 102542-19-8 102702-68-1 102702-71-6
102898-51-1 102899-45-6 102899-46-7 103167-97-1 110746-59-3 110746-60-6
110747-32-5 112715-88-5 119250-85-0 132318-37-7

L9 ANSWER 6 OF 6 CAOLD COPYRIGHT 2001 ACS

ACCESSION NUMBER: CA52:9995d CAOLD

TITLE: esters contg. cyclic groups

AUTHOR NAME: Matsuda, Sumio; Kikkawa, S.

IT 84-66-2 84-71-9 94-50-8 117-81-7 117-84-0 131-11-3
136-60-7 137-89-3 140-25-0 849-99-0 2432-90-8 2915-72-2
4336-20-3 4654-18-6 4654-26-6 5444-75-7 6301-70-8 6553-81-7

10024-57-4	10138-59-7	10593-99-4	16397-74-3	16409-24-8	22995-53-5
27479-35-2	27703-66-8	41544-42-7	41562-47-4	53807-76-4	
57159-64-5	62638-06-6	62950-20-3	69199-34-4	72903-26-5	89611-20-1
94107-45-6	94760-90-4	94885-00-4	95746-20-6	96059-66-4	101433-97-0
101873-65-8	102020-31-5	102020-32-6	102180-51-8	102180-52-9	102456-03-1
102464-47-1	102542-19-8	102702-68-1	102702-71-6	102885-09-6	102898-51-1
102899-45-6	102899-46-7	103167-96-0	103167-97-1	103206-90-2	110746-59-3
110746-60-6	111584-41-9	111584-42-0	112715-88-5	132318-37-7	

=>

d his

(FILE 'HOME' ENTERED AT 21:41:17 ON 06 DEC 2001)

FILE 'REGISTRY' ENTERED AT 21:41:30 ON 06 DEC 2001

L1 STRUCTURE UPLOADED

L2 0 S L1 SSS

L3 11 S L1 SSS FULL

FILE 'CAPLUS, CAOLD' ENTERED AT 21:59:44 ON 06 DEC 2001

FILE 'REGISTRY' ENTERED AT 22:00:00 ON 06 DEC 2001

FILE 'CAPLUS, CAOLD' ENTERED AT 22:00:15 ON 06 DEC 2001

L4 16 S L3

FILE 'CAPLUS, CAOLD' ENTERED AT 22:26:52 ON 06 DEC 2001

L5 1 S (331673-15-5)/RN

L6 2 S (318292-40-9)/RN

L7 2 S (168022-09-1)/RN

L8 1 S (133317-22-3)/RN

L9 6 S (53807-76-4)/RN

L10 7 S (10593-99-4)/RN

=>

ANSWER 7 OF 11 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1999:409576 CAPLUS

DOCUMENT NUMBER: 131:45534

TITLE: Method and macroporous catalysts for the
hydrogenation of dialkyl benzenedicarboxylates
into dialkyl **cyclohexanedicarboxylate**
plasticizers

INVENTOR(S): Brunner, Melanie; Boettcher, Arnd; Breitscheidel,
Boris; Halbritter, Klaus; Henkelmann, Jochem; Thil,
Lucien; Pinkos, Rolf

PATENT ASSIGNEE(S): BASF A.-G., Germany

SOURCE: Ger. Offen., 8 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19756913	A1	19990624	DE 1997-19756913	19971219
CA 2315223	AA	19990701	CA 1998-2315223	19981218
WO 9932427	A1	19990701	WO 1998-EP8346	19981218
W: AU, BR, CA, CN, ID, IN, JP, KR, MX, SG, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9926133	A1	19990712	AU 1999-26133	19981218
ZA 9811614	A	20000619	ZA 1998-11614	19981218
BR 9813786	A	20001003	BR 1998-13786	19981218
EP 1042273	A1	20001011	EP 1998-966901	19981218
R: BE, DE, ES, FR, GB, IT				
JP 2001526252	T2	20011218	JP 2000-525365	19981218
DE 29824628	U1	20020110	DE 1998-29824628	19981218
US 6284917	B1	20010904	US 2000-581843	20000619
US 2002019559	A1	20020214	US 2001-879456	20010613
PRIORITY APPLN. INFO.:			DE 1997-19756913 A	19971219
			DE 1998-19832088 A	19980716
			WO 1998-EP8346 W	19981218
			US 2000-581843 A3	20000619

AB Dialkyl **cyclohexanedicarboxylates** (e.g., diisooctyl 1,2-**cyclohexanedicarboxylate**), useful as **plasticizers**, are
prepd. in high yield and selectivity with reduced byproduct formation by
the **hydrogenation** of the corresponding dialkyl
benzenedicarboxylates (e.g., diisooctyl **phthalate**) in the
presence of a catalyst comprising Ru alone or in addn. to .gtoreq.1 of
Group IB, VIIB, or VIII metal(s) on a macroporous support (e.g., alumina)
having an av. pore diam. of .gtoreq.50 nm, a BET surface area of
.ltoreq.30 m²/g, a catalytically active metal(s) content of 0.01-30%, and
a ratio of the surface area of the catalytically active metal(s) to that
of the carrier of <0.05. The catalysts have 10-50% of their pore vol.
due
to macropores having a diam. of 50-10,000 nm and 50-90% of their pore
vol.
due to mesopores with a diam. of 2-50 nm, the sum total of both types of
pore areas being 100%.

L10 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1988:22811 CAPLUS

DOCUMENT NUMBER: 108:22811

TITLE: Compatible thermoplastic blends

INVENTOR(S): Hiramatsu, Toshio; Kobayashi, Shigeo
 PATENT ASSIGNEE(S): Toyobo Co., Ltd., Japan
 SOURCE: Ger. Offen., 11 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3644208	A1	19870702	DE 1986-3644208	19861223
DE 3644208	C2	19980219		
JP 62149753	A2	19870703	JP 1985-294908	19851225
JP 03006185	B4	19910129		

PRIORITY APPLN. INFO.: JP 1985-294908 19851225

AB The title blends, with good mech. and thermal properties and processability, contain 5-99.5% thermoplastic (m.p. 150-300.degree.) with terminal CO₂H, OH, or amine groups and 95-0.5% epoxide group-contg. polyoxyphenylene. Adding 1.5 part Bz2O2 in 30 parts PhMe slowly to poly[oxy(2,6-dimethyl-p-phenylene)] (I) [intrinsic viscosity (CHCl₃, 30.degree.) 0.58] 90, glycidyl methacrylate 10, and PhMe 170 parts at 80.degree. and heating 5 h at 80.degree. gave a 93% conversion to a graft polymer (II). A blend of poly(ethylene **terephthalate**) 50, I 40, and II 10% had a good surface gloss, flexural strength 74.5 N/mm², and heat distortion temp. 123.degree.; vs. poor, 55.9, and 118, resp., without II.

L10 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1972:141855 CAPLUS
 DOCUMENT NUMBER: 76:141855
 TITLE: Vinyl resin compositions
 INVENTOR(S): Murai, Koichi; Akasome, Yoshiichi; Choshi, Yasuo
 PATENT ASSIGNEE(S): Shin-Nippon Rika Co., Ltd.
 SOURCE: Jpn. Tokkyo Koho, 5 pp.
 CODEN: JAXXAD
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 46016587	B4	19710507	JP 1966-23931	19660415

AB Benzyl C₄-20-alkyl esters of dicarboxylic acids, e.g. tetra- or hexahydrophthalic acid, himic acid, or dihydrohimic acid, were used as PVC

[9002-86-2] **plasticizers** to give good low-temp. flexibility, heat resistance, oil resistance, and mech. properties to the resin.

Thus,

PVC 100, benzyl Bu **tetrahydrophthalate** (I) [34621-54-0] 50, Cd stearate 1.0, and Ba stearate 0.5 part were mixed and molded to a film

and

compared with a similarly prepd. film contg. benzyl Bu **phthalate** in place of I: the Clash-Berg softening temp. (at modulus 104 kg/cm²)

was

-8.5 and -6.0.deg. and the color after 90 min at 165.deg. was yellow and brown, resp.

L10 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1958:80134 CAPLUS

DOCUMENT NUMBER: 52:80134

ORIGINAL REFERENCE NO.: 52:14214b-d

TITLE: Effects of **plasticizers** on the fusion of vinyl plastisols

AUTHOR(S): McKenna, L. A.

SOURCE: Modern Plastics (1958), 35(No. 10), 142-5, 148, 150-2, 234

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB Min. fusion temp. of a vinyl plastisol (I) is detd. by heating a film of I

on a heating bar and measuring the temp. of the bar where the film broke. Three groups of **plasticizers** were tested, those giving plastisols fusing (1) below 100.degree., (2) at 100-200.degree., and (3) above 120.degree.. The **plasticizers** falling in the first category are in general compact molecules, e.g., dimethyl **phthalate**, (MeC6H4O)3PO, while those in the third group are dibasic acid esters made from alcs. having more than 8 C. The equation,

$t = 325 - 121 \log V$, relates the fusion temp. t to the comparative viscosity

V (Brookfield viscosity of plastisol/viscosity of liq. ingredients alone).

Similarly $\theta = 8.93 + 0.083t \pm 1.1$ relates the time in minutes " θ " required to obtain optimum strength at 204.degree. and the fusion temp.